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FEASIBILITY AND EFFECTS OF INCREASED USE
OF CROP RESIDUES IN BEEF CATTLE RATIONS:

AN EXPLORATORY STUDY

By

Corkern, R. McElroy, H. Taylor, and W.B. Back
conomics, Statistics, and Cooperatives Service
U.S. Department of Agriculture

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FEASIBILITY AND EFFECTS OF INCREASED USE OF CROP RESIDUES IN BEEF CATTLE RATIONS:
AN EXPLORATORY STUDY By Ray Corkern, Robert McElroy, Harold Taylor, W.B. Back;
Economics, Statistics, and Cooperatives Service; U.S. Department of Agriculture;
Washington, D.C. 20250; May 1979.

ABSTRACT

Beef production is expected to be 11 percent below estimated U.S. consumption by the year 2000. An increase in forage production is a necessary condition for increasing domestic beef production. Crop residues can add to forage supplies and are economically feasible to use as feed where cattle and residues are in close proximity. Generally, however, concentrations of residues are in locations differing with the concentrations of cattle. Also, most crop residues produced in the U.S. are needed to maintain the productivity of the soils.

It is more economically feasible to add crop residues to the maintenance rations of nonlactating cows, or steers, than to steer growing or finishing rations. In any case, however, more supplements in the rations, especially protein, are needed when crop residues are substituted in cattle rations for other roughages. A reduction in grain feeding to beef cattle with or without an increase in use of crop residue in the rations likely would be accompanied by increased consumer prices of beef and competing meats. Those impacts would lessen with increases in feeding value of the roughages used to replace grain in the rations.

Key words: Crop residues, residue values, limited grain feeding.

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PREFACE

About mid-1976, staff of the Agricultural Research Service (now SEA/AR) suggested that ARS and ERS (now a part of ESCS) conduct a cooperative assessment of technology in the utilization of crop residues in cattle rations. A number of planning conferences by staffs of the two agencies were carried out over the following 12 month period, and then it was agreed that ERS staff would perform a first phase analysis--an exploratory study for the primary purpose of developing information useful in identifying further research needs and opportunities. This ESCS staff paper reports the result of the exploratory study.

Data, ideas, comments, and suggestions used in conducting this study and/or preparation of this report were provided by Howard Osborn, Everett Warwick, Wilda Martinez, Robert Barnes, Timothy Blosser, and Ronald Follett, all professional staff of SEA/AR. The authors of this report take full responsibility for any errors of fact, logic or judgment.

FEASIBILITY AND EFFECTS OF INCREASED USE OF CROP RESIDUES IN BEEF CATTLE RATIONS:
AN EXPLORATORY STUDY

Ray Corkern*, Robert McElroy*, Harold Taylor**, and W.B. Back*
Economics, Statistics, and Cooperatives Service

America's appetite for beef is strong and growing. Domestic beef consumption is expected to be 60 percent higher in the year 2000 than in 1970. U.S. production is expected to fall 11 percent short of the estimated 37 billion pounds of domestic consumption in 2000. That deficit will be imported. A major contributor to the expected shortfall in beef production is low rates of increase in forage production. Increased feeding of grain to beef cattle to compensate for the slow growth in forage production is not expected to be as feasible in the future as it has been in the past. Although feed grain production will expand substantially during the next two decades, an increase in exports of grains is expected.^{1/} Possibilities for increased production and efficiency in utilization of forages would appear to warrant more attention in research. Research on increasing use of crop residues in beef cattle rations is one possibility warranting further study.

According to estimates made by animal scientists at Colorado State University, the available crop residues in individual regions of the United States contain more digestible nutrients than required to sustain the beef cow herds in

*National Economics Division, formerly Technology & Innovation Program Area, National Economic Analysis Division.

**Natural Resource Economics Division, formerly Technology & Innovation Program Area, National Economic Analysis Division.

^{1/} The above estimates of future trends are based upon preliminary baseline projections, NED-ESCS.

each respective region except in the Southeast.^{2/} Those estimates are not intended to imply that all nutrients required by the cows could be supplied by feeding crop residues. Protein supplementation, especially, likely would be required. Neither do those physical estimates of the feeding values of crop residues imply economic feasibility of increasing their utilization in beef cattle rations; account must be taken of the costs of collecting, transporting and storing, as well as the alternative use values of the residues. This study was designed to explore such considerations. The specific objectives were to:

- (1) develop an inventory of crop residues by kinds and locations;
- (2) identify costs and other factors affecting the economic supply of residues for increased use in cattle rations;
- (3) estimate the economic values of residues as substitutes for other ingredients in cattle rations;
- (4) identify economic effects of reducing grains and increasing forage, including crop residues, in cattle rations; and
- (5) evaluate the economic prospects for increased use of crop residues as feed for cattle.

The exploratory nature of this study precludes a full assessment of the feasibility and impacts of increased feeding of crop residues to beef cattle. Thus, the conclusions should be considered tentative, or hypotheses warranting additional study and testing.

^{2/} Blanchard, John M., John J. Combs and Gerald M. Ward, "Potential Feeding Value of Crop Residues in the U.S.," Feedstuffs, August 15, 1977, pg. 22.

Inventory of Residues

Estimates of quantities of residues, by crops and by States and Counties of the Continental United States, are presented in Appendix Table 1. Most of these estimates of residues are based on coefficients (ratios of residues to crop yields) provided by staff scientists of SEA/AR. A previous inventory of crop residues, based on coefficients differing with those used in this study, was made in a study by the Stanford Research Institute (SRI).^{3/} Other and different estimates of the physical supplies of some crop residues were made by USDA soil scientists in connection with research on crop residues management.^{4/} The lack of agreement on the relationships between crop yields and quantities of residues reflects a need for more reliable knowledge on the subject.^{5/} The estimates presented in this report should be considered subject to revision pending development of that knowledge. Additional research, especially, should identify differences among regions in residues per unit of harvested crop.

Corn stover, wheat straw, and soybean aftermath comprise more than 80 percent of the residues inventoried (Table 1). Corn stover alone made up about half of residue inventory. Altogether, more than 500 million tons of crop residue (harvest weight) are produced annually. According to the SRI study

^{3/} An Evaluation of the Use of Agricultural Residues as an Energy Feedstock. S.R.I., Menlo Park, Calif., 1976.

^{4/} Larson, W.E., R.F. Holt and C.W. Carlson, "Residues for Soil Conservation", Chapter 1 in Crop Residue Management and System, American Society of Agronomy, Madison, Wisc., 1978. See also the discussion on crop residues in USDA report "Improving Soils with Organic Wastes," 1978, Chapter 2.

^{5/} Research in response to this need for improved data on crop residues is being conducted by W.E. Larson and others, SEA/AR, University of Minnesota, St. Paul.

Table 1.--Estimated Physical Supply of Crop Residues By Crop Source

Crop Source	Residue coefficient <u>a/</u>	Dry matter coefficient <u>b/</u>	Physical Supply			
			Tons (000)		Percent of Total	
			(Total)	(Dry)		
Barley	1.85	86.9	16,791	14,591	3.2	
Corn	1.63	84.4	265,726	224,273	50.9	
Cotton <u>c/</u>	3.00	92.3	5,954	5,496	1.1	
Dry beans	2.00	88.4	1,695	1,498	0.3	
Flax	3.00	92.9	985	915	0.2	
Grain sorghum	1.00	84.4	21,252	17,937	4.1	
Grass seed	4.44	85.4	665	568	0.1	
Oats	1.50	88.6	15,669	13,909	3.0	
Peanuts	1.47	90.0	2,853	2,568	0.5	
Rice	1.50	90.5	9,598	8,686	1.8	
Rye	2.33	89.4	1,159	1,036	0.2	
Soybeans	2.14	87.5	54,085	47,324	10.4	
Sugar beets <u>c/</u>	0.14	18.0	4,149	747	1.0	
Sugar cane <u>c/</u>	0.17	25.5	2,903	740	0.6	
Wheat	1.85	87.7	117,941	103,434	22.6	
Total	---	---	521,454	442,982	100.0	

a/Pounds of residue per pound of harvested crop. Most of these coefficients were estimated by Senior Scientists of SEA/AR. Coefficients for soybeans, peanuts and grass seed were obtained from an unpublished Stanford Research Institute Report. The coefficients were applied to crop production data for 1974 to obtain the estimated tonnages of residues.

b/Dry weight of residues as percent of total weight. Source: The Atlas of Nutritional Data for United States and Canada, NAS, 1972.

c/Excludes off-farm residue (such as Bagasse and ginning waste).

cited earlier, about one-fourth of the crop residues is fed to cattle and sheep, and most of the remainder is returned to the soil.^{6/} Any significant increase in use of residues in feeding cattle would result in a decrease in amount of residue returned to the land.

Location of Residues and Beef Cattle

The six midwestern States of Illinois, Iowa, Indiana, Ohio, Minnesota and Michigan produce about 45% of the total residue. Corn stover is the major contributor to the total residue in those States. Each of those States produces more than a ton of residue per acre of cropland and per acre of farmland (Figure 1). Maryland and Delaware also have a high density of residue per acre of cropland and farmland, but those small States, together, produce less than one percent of the total supply of residue. Pennsylvania, North Carolina, Georgia, Arkansas, Kansas, Nebraska, California and Washington, have high densities of residues per acre of cropland, but noncropland in those states is sufficient to result in less than a ton of residues per acre of farmland. In general, outside the Cornbelt, the residues tend either to be widely scattered or to be concentrated in a few geographic locations within the States.

The location of beef cattle differs significantly from that of the crop residues (Figure 2). Whereas the crop residues are concentrated in the Cornbelt, the beef cattle are located predominately in the South, Southern Plains and West. The States with the greatest concentration of beef cattle per acre of cropland and farmland, New Mexico, Mississippi and Florida, were well below average in concentration of crop residues. The significant difference in

^{6/} Some straw is harvested for livestock bedding, and some rice and rye grass straw in Western States is burned. Other minor quantities are used for fuel and industrial products. However, about 70% of all crop and residues are returned to the soil, mostly where produced. See "Improving Soils with Organizing Wastes," pages 36 - 37.

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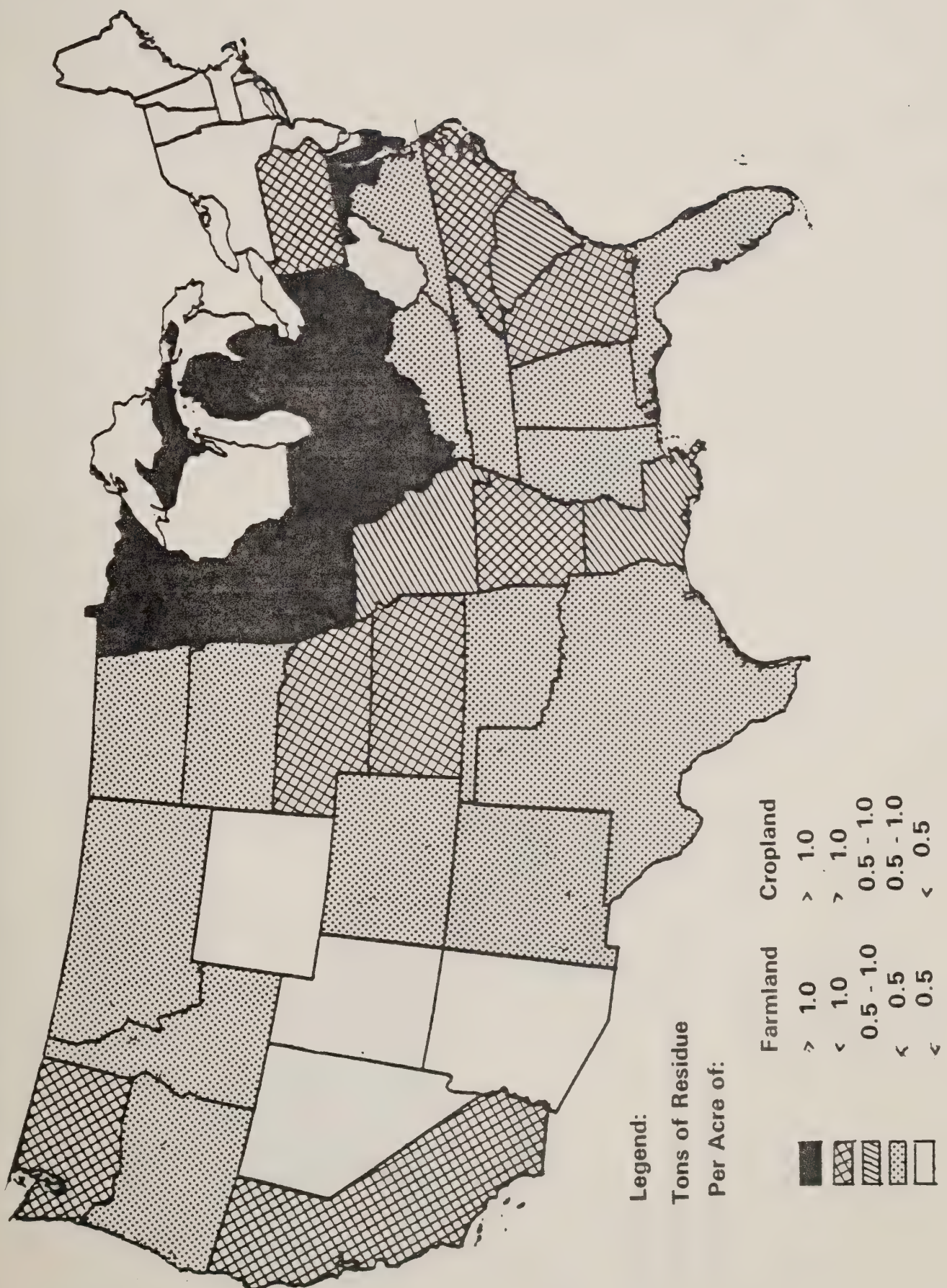
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Fig.1 STATE DENSITIES OF CROP RESIDUES
(Per Acre of Farmland and Cropland)



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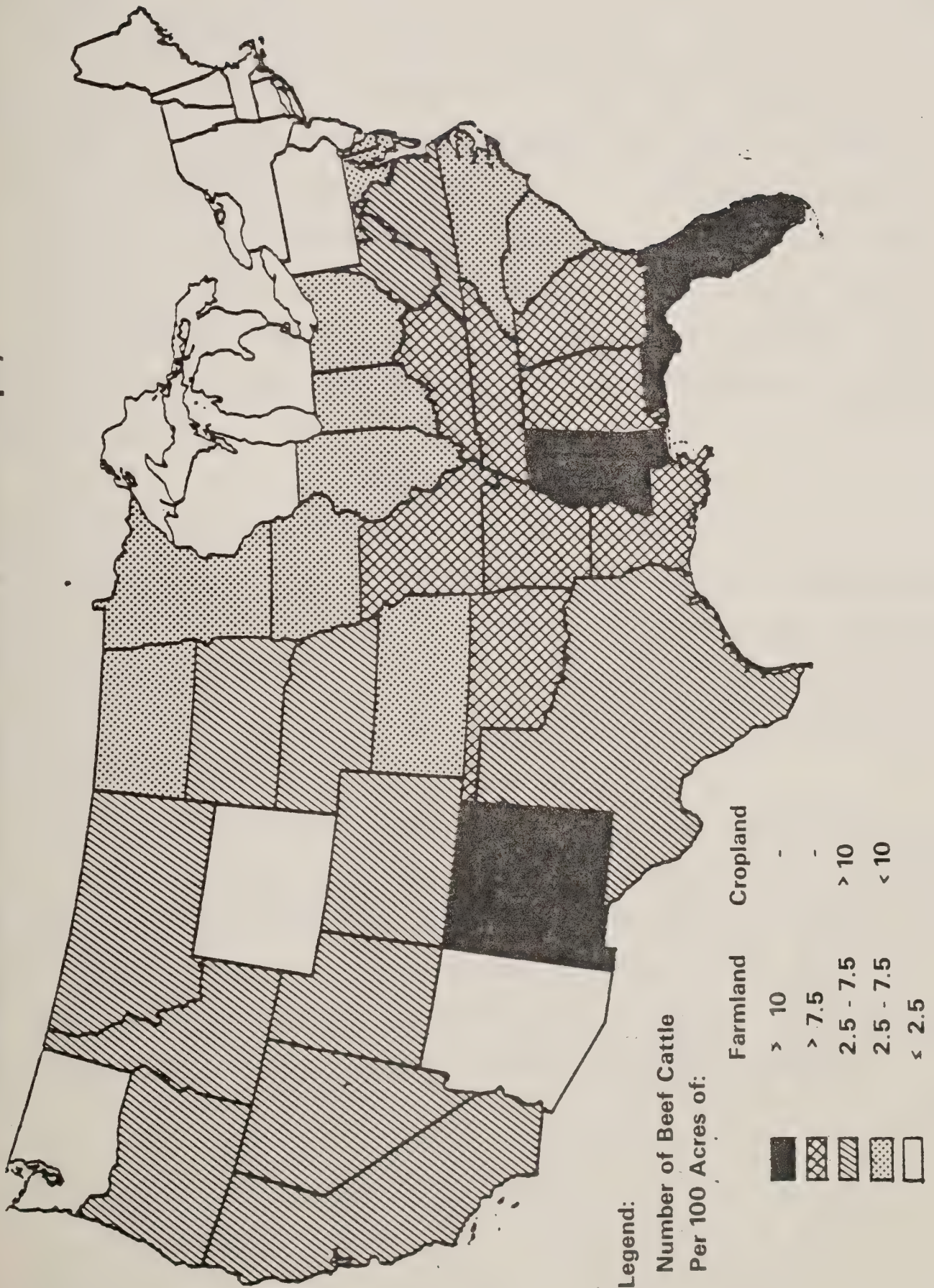
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Fig. 2 STATE DENSITIES OF BEEF CATTLE
(Numbers Per 100 Acres of Farmland and Crops)



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geographical location of residues and cattle does affect the potential for increased utilization of the residues for feed. The maps (Figures 1 and 2) do not capture all the locational differences of significance. Within the States, the counties more specialized in crop production tend to have low numbers of cattle, and vice versa. Likewise, within counties, cattle tend to concentrate on farms with the larger amounts of noncropland and pastureland, rather than on farms producing the most crop residue. Residues can be collected by the crop farmers, transported, and sold to cattlemen, but whether this process is feasible will depend on costs and values of residues as feeds to be discussed later in this report.

Seasonal Distribution

In Table 2, the seasonal distributions of the residues are displayed in accordance with first month availability, and lasting through the crop harvest season. More than half of the residues become available in October and November, primarily due to corn harvest in those two months. Other grain harvests in the summer months and soybean harvest in later summer and early fall also strongly influence the seasonal patterns of availability.

Unless it is feasible to collect, transport, store and use the residues in combination with other ingredients in controlled feeding, the seasonal patterns of availability will sharply limit their potential values as feeds. There may be some possibility of adjusting cattle and feed production systems to more efficiently utilize crop residues as feeds when available in the fields. For example, corn growers might add stocker enterprises to utilize the corn stover in

Table 2.--Seasonal Distribution of Availability of Crop Residues

Crop Source	Month of First Availability											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Percent											
Barley	---	---	---	---	6.2	15.1	26.0	43.9	9.0	---	---	---
Corn	---	---	---	---	---	---	0.1	0.5	6.7	44.3	39.5	8.9
Cotton	1.2	0.9	1.2	1.2	1.2	0.2	---	3.3	15.3	28.2	30.7	16.6
Dry Beans	---	---	---	---	---	---	---	16.2	55.0	24.4	4.4	---
Flax	---	---	---	---	1.2	0.2	---	41.9	40.0	15.4	1.3	---
Grain Sorghum	---	---	---	---	---	---	6.9	7.1	31.0	31.1	22.9	1.0
Grass Seed	---	---	---	---	0.8	16.9	58.4	20.6	2.8	0.5	---	---
Oats	---	---	---	---	1.5	5.4	39.0	47.3	6.6	0.2	---	---
Peanuts	---	---	---	---	---	---	---	29.7	34.6	22.8	11.0	1.9
Rice	---	---	---	---	---	---	0.4	22.5	30.3	35.1	11.7	---
Rye	---	---	---	---	5.8	23.0	40.2	30.0	0.1	---	---	---
Soybeans	---	---	---	---	---	---	---	---	19.0	50.2	26.8	4.0
Sugar Beets	---	---	---	---	---	---	5.7	4.8	10.7	47.2	28.0	3.6
Sugar Cane	12.0	9.2	19.7	2.4	1.5	0.4	---	---	---	12.2	32.2	11.6
Wheat	---	---	---	---	2.5	28.1	35.9	25.2	8.3	---	---	---
Total, all residues ...	0.1	0.1	0.1	*	0.8	7.1	10.7	10.0	10.3	30.6	24.9	5.3

*Less than 0.05.

the fall and/or winter months. However, the 25 percent of the residues now used as feed may reflect realization of most of those adjustment potentials. Generally, it is necessary for the cattle and residues to exist on the same farm for minimizing collection, transportation and storage, and to minimize the adverse effects on soil fertility and erosion of removing the residues.

Collection, Transportation and Storage Costs

Residues can be utilized as feed by grazing following crop harvest, or after collecting the residue. Grazing is the more prevalent current practice. If significant increases in feed use are to occur, more collecting, transporting and storing for feed will be required.

Harvesting can be done as a custom service or by the farmer himself if he has the equipment. Harvesting costs will vary by method of collection, yield of residue and acres harvested. Residues now are harvested by regular haying machinery and equipment. Medium sized, conventional hay balers are used to harvest straw residues such as wheat, oats, flax and other small grains. The more bulky stalk and stem residues, such as stover and soybean aftermath, are chopped and packaged with the larger one-to three-ton stackers.

If a farmer already has haying equipment and is using it for residue collection only a small fraction of the time, most of the residue cost will be variable operating costs (that is, fuel and labor). Representative variable costs of using owned haying equipment are \$0.24 and \$0.22 per hundredweight of straw and of stalk and stem residues, respectively (Table 3). The costs will increase to about \$1 and \$0.83 per hundredweight with allocation of fixed costs to the residue harvesting operations. On the other hand, without ownership of the harvesting

Table 3.--Estimated Cost of Harvesting Crop Residues and Transporting to On-farm Storage

Harvest method	Dollars per hundredweight	
	Straw crops a/	Stalk & stem crops b/
Grower harvest, (variable cost of using owned hay- ing equipment)	0.24	0.22
Grower harvest, <u>c</u> /..... (fixed and variable cost of owned hay- ing equipment)	1.00	0.83
Custom harvest.....	0.84	0.49

Sources:

Benson, Fred J., John A. True, and Craig A. Miller. Economic Comparisons of Hay Harvesting, Storing and Feeding Systems for Beef Cow Herds. Agr. Ext. Ser. Folder 246--Revised 1976. St. Paul, Minn.: Univ. of Minn., 1977.

Coon, Randal C., and F. Larry Leistritz. Cost of Native Hay Harvesting Systems in North Dakota. Agr. Econ. Rpt. 98. Fargo, N.D.: N.D. State Univ., 1974.

Garner, Carroll R., and W. A. Halbrook. An Economic Evaluation of Three Haying Systems in Arkansas, 1975. Agr. Exp. Sta. Bulletin 815. Fayetteville, Ark.: Univ. of Ark., 1976.

Long, James T., Wayne D. Taylor, and Todd W. Berry. Hay Harvesting Costs in Texas. Agr. Ext. Ser. B-1171. College Station, Tex.: Tex. A and M Univ., 1977.

U.S. Department of Agriculture. Surveys of custom hay harvesting rates in the Midwest. ESCS-Statistics. Most recent years.

a/Barley, flax, grass seeds, oats, peanuts, rice, rye, sugar beets, wheat.

b/Corn, cotton, dry beans, sorghum, soybeans, sugar cane.

c/Average yield of 400 tons/yr.

equipment the farmer may find custom harvesting a preferable option, and an average of those rates for several States also are presented in Table 3. Generally, the harvesting costs can be expected to range upward to about \$1 per cwt. These costs would not include transportation to other farms or geographical locations. The estimated cost of transporting the residue 50 miles, based upon transportation costs for baled hay, is \$0.22 per hundredweight. Storage costs will be negligible if the residues are stacked outside, or if put in space within sheds or buildings which otherwise would be unused.

Fertility and Conservation Values

The values of residues as suppliers of plant nutrients and soil organic matter, or as ground cover to retard soil erosion, should be included as costs of removing the residues for feeding, if the livestock wastes are not returned to the land. The fertility and conservation values of residues are not the appropriate costs when all manures are returned to the cropland.^{7/}

The fertility values of the residues can be obtained by applying market prices of N, P & K contained in commercial fertilizers to the quantities of those nutrients in the residues. Estimated in this way, only two residues, cotton and soybeans, had a fertility value exceeding 30 cents (Table 4). Most of the residues had fertility values of less than 25 cents per hundredweight. The contributions of the residues providing organic matter or reducing erosion may exceed the soil fertility value. Organic matter affects productivity of soils inde-

^{7/} Returning livestock wastes to the land is an operation with added costs ranging from about \$5 to \$10 per ton (Cf. "Improving Soils With Organic Wastes," op. cit., pg. 24). These costs must be deducted from the fertility and related values of the manure applied to the land to obtain estimates for comparing with values of residues left on the land.

Table 4.--Pounds of N, P & K per Cwt of Crop Residue, and Fertilizer Values of Residues per Cwt

Crop Source of Residue	Pounds per Cwt <u>a/</u>			Value per Cwt <u>b/</u>
	N	P	K	\$
Barley	0.65	0.10	1.07	0.19
Corn	0.94	0.15	1.12	0.24
Cotton	1.62	0.20	1.34	0.36
Dry Beans	0.80	0.10	1.08	0.21
Flax	1.06	0.09	1.50	0.28
Grain Sorghum	0.91	0.13	1.11	0.23
Grass Seed	0.57	0.06	0.83	0.15
Oats	0.56	0.14	1.46	0.22
Peanuts	1.44	0.12	1.13	0.30
Rice	0.54	0.08	1.05	0.17
Rye	0.45	0.11	0.63	0.13
Soybeans	1.97	0.19	0.92	0.37
Sugar Beets	0.46	0.04	0.08	0.08
Sugar Cane	0.22	0.03	0.11	0.05
Wheat	0.59	0.06	0.85	0.16

a/Residue contains moisture content as harvested and/or fed. Coefficients above are adjustments in coefficients based upon dry weights of residues as reported by Larson, W.E., et al. "Residues for Soil Conservation", op.cit.

b/Based upon average prices paid by farmers of \$0.13, \$0.19 and \$0.08 during 1974-76 for N, P & K, respectively, in anhydrous ammonia, super phosphate (46% P_2O_5) and muriate of potash (60% K_2O)--calculated from data in Fertilizer Situation, FS-8, ERS-USDA, Dec. 1977, pg. 9. Estimated average prices paid by farmers for fertilizer nutrients in March, 1978, were \$0.15, \$0.40 and \$0.10 for N, P & K, respectively ("Improving Soils with Organic Wastes," pg. 7); application of those prices would increase the values in this Table by about 25 percent.

pendently of plant nutrients supplied. Moisture holding capacity and tilth are improved. Moisture holding capacity has two effects on productivity: (1) improving water availability for plant use, and (2) reducing water run-off and erosion. The residues also reduce water run-off and erosion by providing surface cover. Soil erosion continues as a major national problem. It is necessary to leave some residue on the land to hold soil losses to minimum acceptable rates. The amount of residue required for the purpose varies by slope and other characteristics of the cropland. A national average would be about one ton per acre for each year cropped.^{8/} That restriction, as an average, would limit the potential supply of residues for additional cattle feeding (if removed from the land) to the midwest, parts of the Great Plains, Mississippi Delta, and other (smaller) areas of flat to gently sloping land used to produce feed grain, food grain or soybeans. As indicated by Figure 1, most States, as an average, have less than a ton of crop residue per acre of cropland, and, as indicated in Figure 2, the density of beef cattle tends to be relatively high in those States with low densities of residues. A conservation restriction on the removable amount of residue, given the present location of cattle, would tend to limit significant additional feeding of residue to the geographical locations of concentration of both beef and crop production.

^{8/} For precise estimates of the relationships of residue management and soil erosion losses for various soil situations, see Larson, et al., "Residues for Soil Conservation" op. cit.

Estimated Values of Crop Residues

The absence of market prices for crop residues creates a need to simulate or estimate values, or "shadow prices", for use in assessment of economic feasibility of their use in cattle rations. The principle involved in this estimation is that residues are worth the value of feed ingredients they can replace in the ration without either increasing the cost or the nutritional effectiveness of the ration.

One procedure in finding the values of residues as feed ingredients is to directly compare a quantity of residue with an amount of other (priced) roughage having nutritional content equivalent to that of the residue. For example, if 16 pounds of wheat straw has the same total net energy as 12 pounds of fescue hay, and fescue hay is worth 2 cents per pound, then the wheat straw would have an estimated value of 1.50 cents per pound. One problem with this procedure is that feeding wheat straw to stomach capacity would not maintain body weight of the animal, whereas full feeding of fescue hay may do so. One could add a protein supplement to make the nutritional value per pound of residue (plus supplement) equivalent to the nutritive value per pound of fescue hay, but then the cost of the supplement would need to be taken into account in pricing the residue. Differences between wheat straw and fescue hay in composition of minerals, vitamins and other elements add complexity to the problem. Computational difficulty is further increased by substituting the wheat straw into rations containing many ingredients (roughage, grains, additives, minerals, etc.) Such computational complexity is the basic reason why computer programming techniques are used in estimating values for nonpriced ingredients in animal rations. One such technique, called parametric programming, has been in research and commercial application for about a decade. It was used in this study.

Spot market prices during January 1978 for major feed ingredients were used in

the analysis (Table 5). These prices were not considered typical of any local conditions but, rather, estimates of national averages for the 1977-78 winter feeding period. Any additional feeding of residues to cattle likely would occur in wintering operations for maintaining cows or steers, although some could be included in steer growing rations. Effect of lower or higher prices for the feedstuffs upon values of the residues are readily apparent--the residue values will correlate directly or positively with changing feed price levels, especially with prices of other roughages replaced.

Table 6 contains ranges of programmed feed values for the crop residues included in this study. To obtain these ranges in values, each of the residues was substituted into four rations: steer maintenance rations (1) with ^{9/} and (2) without availability of pasture; and steer grower rations (3) with and (4) without pasture. Two pounds of gain per steer per day were programmed for the grower rations.

Generally, lower values for the residues were estimated for steer grower rations and for rations with availability of pasture. Most of the residues are high in fiber and low in net energy, and their greatest usefulness appears to be in steers or non-lactating cows being fed for little or no gain. The higher valued residues, such as oat straw, may fit well into some feeding system for steer grower or finishing rations. Due to many production systems, feed avail-

^{9/}The use of pasture in maintenance rations is not considered a practical alternative--any significant amount of pasture likely will result in growth. The programmed solutions limited pasture and other feeds to maintenance requirements. The purpose of these programs was only to estimate residue values--not to identify practical alternative in cattle feeding.

Table 5.--Market Prices of Commercial Feedstuffs

	Cost/cwt	Location	Date (1978)	Source
Alfalfa Hay	\$ 3.40	US	1/15	3
Corn Silage	1.00			5
Beet Pulp	5.25	KC	1/23	1
Molasses, Cane	5.17	US	1/15	3
Corn	3.91	US	1/13	4
Milo	3.25	KC	1/23	1
Soybean Meal 44%	7.20	KC	1/23	1
Soybean Meal 49%	8.00	KC	1/23	1
Trace Mineral Mix	55.00	KC	1/23	1
Cottonseed Meal 41%	10.40	US	1/15	3
Urea 42% N	7.00	KC	1/23	1
Dehy Alfalfa 17%	3.60	KC	1/23	1
Fat, Animal	16.00	KC	1/23	1
Dical Phos 18.5% <u>a/</u>	8.50	US	1/20	2
Deflor Phos 18% <u>a/</u>	3.61	US	1/20	2
Sodium Phosphate	22.00	US	1/20	2
Potassium Chloride	2.00	US	1/20	2
Salt <u>a/</u>	2.19	US	1/20	2
Calcium Carbonate	0.95	US	1/20	2
Gypsum (Ca Sulfate)	1.81	US	1/20	2
Dyna-Mate (S, K, Mg)	1.88	US	1/20	2
Magnesium Oxide <u>a/</u>	17.30	US	1/20	2
Vitamin Premix	60.00	US	estimated	
Pasture	0.50		estimated	

Sources:

1. Feedstuffs, Jan. 23, 1978, pgs. 98-99
2. Chemical Marketing Reporter, Feb. 20, 1978.
3. Agricultural Prices, Jan. 31, 1978, ESCS/USDA.
4. Feed Situation, Feb. 1978, ESCS/USDA, pg. 23.
5. Page 20, footnote 5 of Feed Situation, May 1977: corn silage price derived from an equivalent price of 5 bu. corn and 330 lbs. hay
 $(5 \times \$1.84) + (330 \times \$0.034) = \$20.27/\text{ton}.$

a/ These ingredients were overpriced in the feed blending analysis. However, since they are constrained to low levels, there would probably be no significance effect on the estimated values of the residues.

Table 6.-- Estimated Values of Residues ^{a/}

Residue	Range in Value
	-----\$/cwt-----
Barley	2.25 - 2.90
Corn	2.68 - 2.87
Cotton	2.34 - 3.08
Dry Beans	2.89 - 2.98
Flax	2.47 - 3.20
Grain Sorghum	2.89 - 3.11
Grass Seed	1.76 - 2.66
Oats	3.14 - 3.37
Peanuts	1.77 - 2.78
Rice	1.50 - 2.69
Rye	2.21 - 2.77
Soybeans	2.02 - 2.74
Sugar Beets	1.53 - 2.03
Sugar Cane	0.09 - 0.64
Wheat	2.00 - 2.58

^{a/} Values of residues are consistent with the least-cost solutions for rations without residues. These estimates were made through the applications of a linear programming model.

ability, and costs of producing feedstuffs on individual farms, values of residues as feeds likely will vary widely. The ranges in values on Table 6 apply only to the particular feed prices reported in Table 5. In situations of farm-produced feeds, the residues would have lower values if they replaced roughages or other feeds costing less to produce than the prices quoted in Table 5. It may be uneconomical to bear the cost of harvesting residues on many farms where abundant supplies of low-cost roughages can be produced. However, with roughages and other feed costs approaching the prices used in this study, the feeding of additional residues to beef cattle does appear to be economically feasible, especially if the residues are in excess of amounts needed to reduce soil erosion. The economic feasibility of feeding the residues would increase with increase in prices, or reduction in supplies, of the forages.

For comparative purposes, the three principal residues, corn stover, wheat straw and soybean aftermath, were substituted into rations with grain level limited to 39 and zero percent. The value of residues in these added analyses were not considered in determining the ranges presented in Table 6. The principal result was an increase in feed cost to achieve either maintenance or two pounds per day gain on steers. Evidently, grain is the cheapest source of energy when feed price relations are as reported in Table 5. A similar effect, an increase in feed costs to achieve maintenance or growth objectives, would occur with an increase in price of grain relative to the prices for forages. A broader analytical approach in determining effects of limiting grain feeding to beef cattle is reported in the next section.

Aggregate Impacts of Increased Crop Residue and
Reduced Grain Use in Cattle Rations

The results of the micro type of analyses reported above were supplemented by use of a simulation model of the livestock-feed economy to identify the aggregate impacts of reducing grain in cattle rations.^{10/} Two reasons usually given for reducing the level of grain feeding are to (1) reduce the fat in consumer diets, and (2) increase the supply of grain available for either domestic use or export. Much of the incentive to feed grain to cattle arises from the increase in price associated with increasing slaughter grades of the animals above that attainable from forages. Reduction or elimination of that incentive through changes in the beef grading system is a policy option. All beef grading or better by present standards could be graded as good. This would eliminate the price incentive to feed grain for achieving higher grade levels and thereby reduce the time cattle are full grain feeding and the amount of grain fed. That policy was introduced in the analysis by eliminating in the model the average price differential between good and choice fed steers. Also, in order to minimize the potential adverse impacts on grain prices, it was assumed the initial reduction in grain used in cattle feeding would be added to present exports under P.L. 480.

The basic analysis was for the decade of 1976-1985; to determine the effects of differing stages of the cattle cycle on the basic results, an analysis also was conducted for the period of 1971-1980. Because the cattle cycle did not appreciably affect the direction and general magnitude of the impacts, only the 1976-1985 results are presented in this report. Also, for purposes of this study, only the direction of the impacts (not the magnitudes) was induced. The

^{10/} The particular model used was developed by the Forecast Support Program Area of ESCS.

magnitude of the impacts depended upon elasticities and cross elasticities of demand for the products, as well as other variables, which were incorporated in the model. Although the model's elasticities were statistically estimated from recent data, there is some discrepancy with other studies.^{11/}

In most cases, the first year and end-of-period impacts of reducing grain feeding were of the same sign (Table 7). Major exceptions were as follows: (1) average prices of all steers initially declined, but later increased due to reduced market quantities of beef; (2) total production of corn, initially unaffected, later increased due to stimulus of rising prices of meat on feed grain prices; (3) soybean meal exports, initially increasing due to reduced levels of domestic grain feeding, later declined due to increased substitution of that ingredient for grain in domestic livestock rations; and, (4) production of pork, initially down because of a first year increase in price of corn, later increased in response to rising meat prices. It can be noted that poultry production especially is sensitive to rising feed grain prices. For most items of interest, what started (end of first year) as small impacts increased in absolute magnitude over the decade.

One may draw two major conclusions from the results: (1) deliberate policies to cut-back on grain feeding to cattle can have significant impacts upon production and prices of all meats and feed ingredients; and, (2) these impacts could be less severe if accompanied by (a) reduction in consumer demand for meat, especially choice or prime beef, and (b) technological progress in meat and feed grain production exceeding the trends incorporate in the model.

^{11/} For example, an estimated elasticity of consumer demand for beef in the model of -1.5 differs substantially from a statistical estimate of -0.64 for that elasticity reported by P.S. George and G.A. King, Consumer Demand for Food Commodities in the United States, Giannini Foundation Monograph No. 26, March 1971.

Table 7. --Impacts of Reduced Grain Feeding of Cattle on Various Commodities

	End of 1st Year <u>a/</u>	End of 10th Year <u>a/</u>
<u>BEEF</u>	<u>Direction of Change</u>	
Production Fed (lbs.)	-	-
Production Non-Fed (lbs.)	+	+
Total Production (lbs.)	-	-
Number Slaughtered Fed	-	-
Number Slaughtered Non-Fed	+	+
Average Animal Weight Fed	-	-
Average Animal Weight Non-Fed	+	+
Average Price All Steer Omaha	-	+
Retail Price Index	+	+
Per Capita Consumption	-	-
Number of Brood Cows	none	-
<u>CORN</u>		
Total Production	none	+
Amount of Corn Fed	-	-
Amount Exported	+	+
Average Farm Price	+	+
Planted Acreage	+	+
<u>SOYBEANS</u>		
Total Production	-	-
U.S. Consumption of Meal	-	-
Amount of Meal Exported	+	-
Average Meal Price	-	+
Bean Market Price (#1 Ill.)	-	+
<u>POULTRY</u>		
Wholesale Price Broilers	+	+
Average Retail Price Chicken	+	+
Production of Young Chicks	-	-
<u>PORK</u>		
Number of Hogs Slaughtered	-	-
Pork Production	-	+
Retail Price Index	+	+

a/ The forecasting cycle began with conditions like those in 1976 and ended with a stable equilibrium in 1985. (+) indicates an increase and (-) a decrease over the normally forecast value without any adjustments to grade price differentials or grain exports.

The latter conclusion is not intended to be a recommendation for a speed-up in research in order to accelerate technological progress. Such an acceleration without the policies to reduce the use of feed grains, including exporting or more grain, could, itself, have impacts unfavorable to the livestock and feed industries.

This exploratory study addressed several issues. Low rates of increase in forage production could contribute to deficits in beef supplies. Crop residues may provide additional forage, but are economical mainly where crops and cattle are raised together on the same farms. Also, time of availability of crop residues is an important factor. Most small grain residues become available during the pasture season. Corn stover, soybean aftermath, and other residues become available in the fall and are best used for over-wintering in a maintenance diet. The residues are not high enough in energy to substitute for grain in grower rations. These results support an overall conclusion that additional use of crop residues is an inferior method of expanding forage supplies while reducing levels of grain feeding to beef cattle.

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Alabama											
Autauga	---	28	13	1	---	---	3	---	5	1	51
Baldwin	---	55	---	1	9	---	116	---	17	1	199
Barbour	---	42	1	1	---	---	2	---	1	36	83
Bibb	---	2	1	---	---	---	1	---	---	---	4
Blount	---	18	3	---	---	---	6	---	---	---	27
Bullock	---	7	---	---	---	---	10	---	1	---	18
Butler	---	16	---	---	---	---	4	---	1	4	25
Calhoun	---	7	1	---	---	---	8	---	1	---	17
Chambers	---	4	---	---	---	---	---	---	1	---	5
Cherokee	---	21	9	1	---	---	19	---	2	---	52
Chilton	---	16	2	---	---	---	1	---	1	---	20
Choctaw	---	11	---	---	---	---	---	---	---	---	11
Clarke	---	15	---	---	---	---	2	---	1	---	18
Clay	---	3	---	---	---	---	---	---	---	---	3
Cleburne	---	3	---	---	---	---	1	---	---	---	4
Coffee	---	61	---	1	---	---	11	---	2	50	125
Colbert	---	8	14	---	---	---	14	---	11	---	47
Conecuh	---	36	1	---	---	---	8	---	2	4	51
Coosa	---	1	---	---	---	---	---	---	---	---	1
Covington	---	45	---	1	1	---	34	---	3	20	104
Crenshaw	---	39	---	1	---	---	4	---	1	18	63
Cullman	---	61	3	---	---	---	11	---	---	---	75
Dale	---	41	---	1	1	---	2	---	1	34	80
Dallas	---	28	16	1	---	---	30	---	4	---	79
De Kalb	---	130	2	---	---	---	20	---	1	---	153
Elmore	---	17	8	---	---	---	10	---	2	---	37
Escambia	---	27	3	---	1	---	54	---	6	2	93
Etowah	---	21	2	---	---	---	8	---	1	---	32

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other	
Alabama--Continued:											
Fayette	---	12	3	---	---	---	8	---	1	---	24
Franklin	---	18	1	---	---	---	9	---	1	---	29
Geneva	---	80	---	1	1	---	28	---	3	38	151
Greene	---	15	3	---	---	---	17	---	2	---	37
Hale	---	10	4	1	---	---	49	---	2	---	66
Henry	---	59	---	3	---	---	2	---	2	70	136
Houston	---	92	---	4	2	---	22	---	3	71	194
Jackson	---	76	2	1	---	---	42	---	10	---	131
Jefferson	---	2	---	---	---	---	1	---	---	---	3
Lamar	---	11	2	---	---	---	11	---	1	---	25
Lauderdale	---	13	9	1	---	---	42	---	10	---	75
Lawrence	---	19	17	1	---	---	43	---	14	---	94
Lee	---	7	3	---	---	---	1	---	1	---	12
Limestone	---	24	24	1	---	---	56	---	8	---	113
Lowndes	---	6	5	1	---	---	12	---	3	---	27
Macon	---	6	3	---	1	---	13	---	2	---	25
Madison	---	44	37	---	---	---	57	---	8	1	147
Marengo	---	10	2	---	2	---	27	---	5	---	46
Marion	---	22	1	---	---	---	12	---	1	---	36
Marshall	---	64	2	---	---	---	29	---	1	---	96
Mobile	---	24	---	---	---	---	37	---	4	---	65
Monroe	---	30	4	2	---	---	32	---	3	---	71
Montgomery	---	5	2	1	2	---	27	---	3	1	41
Morgan	---	31	4	1	---	---	31	---	2	---	69
Perry	---	9	1	1	1	---	28	---	4	---	44
Pickens	---	15	4	---	---	---	17	---	2	---	38
Pike	---	41	---	1	---	---	1	---	1	37	81
Randolph	---	10	---	---	---	---	---	---	---	---	10
Russell	---	8	2	---	---	---	6	---	---	3	19

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Alabama--Continued:											
St. Clair	---	5	---	---	---	---	1	---	---	---	6
Shelby	---	6	2	---	---	---	5	---	1	---	14
Sumter	---	7	---	1	---	---	15	---	6	---	29
Talladega	---	6	1	---	---	---	20	---	3	---	30
Tallapoosa	---	4	1	---	---	---	1	---	---	---	6
Tuscaloosa	---	7	4	1	---	---	7	---	2	---	21
Walker	---	8	---	---	---	---	1	---	---	---	9
Washington	---	6	1	---	---	---	3	---	---	---	10
Wilcox	---	11	2	---	---	---	16	---	2	---	31
Winston	---	10	---	---	---	---	2	---	---	---	12
Unallocated 2/ ..	---	---	---	7	6	---	12	---	4	9	38
State total ...	---	1596	225	38	27	---	1122	---	180	400	3588
Arizona											
Apache	---	2	---	1	---	---	---	---	---	---	3
Cochise	18	1	11	128	---	---	---	---	191	---	360
Coconino	---	1	---	---	---	---	1	---	---	---	1
Gila	---	---	---	---	---	---	---	---	---	---	---
Graham	45	---	8	65	---	---	---	---	28	---	147
Greenlee	---	---	---	1	---	---	---	---	5	---	6
Maricopa	171	4	202	62	---	---	---	15	361	---	816
Mohave	---	---	2	---	---	---	---	---	---	---	2
Navajo	---	4	---	1	---	---	---	---	2	---	7
Pima	24	1	19	12	---	---	---	---	45	---	101
Pinal	107	---	124	22	---	---	---	13	288	---	554
Santa Cruz	1	---	---	1	---	---	---	---	---	---	2
Yavapai	---	1	---	---	---	---	---	---	1	---	2
Yuma	15	3	64	21	---	---	---	11	337	---	451
Unallocated 2/ ..	2	4	---	1	---	---	---	---	3	---	6
State total ...	383	18	430	314	---	---	---	51	1261	---	2458

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugarbeets	Wheat	Other	
-----000 Tons-----											
Arkansas--Continued											
Hempstead	---	2	---	1	---	2	25	---	---	---	30
Hot Springs	---	1	---	1	---	2	2	---	1	---	7
Howard	---	1	---	---	---	---	2	---	---	---	3
Independence	---	1	---	6	---	10	64	---	32	---	113
Izard	---	1	---	1	---	---	---	---	---	---	2
Jackson	---	1	6	15	---	218	179	---	80	---	499
Jefferson	---	2	62	4	---	135	90	---	29	---	322
Johnson	---	2	---	---	---	---	5	---	2	---	9
Lafayette	---	1	3	4	---	17	14	---	10	---	49
Lawrence	---	1	5	20	1	107	113	---	22	---	269
Lee	---	2	22	1	1	48	99	---	9	---	182
Lincoln	---	3	21	5	---	81	58	---	7	---	175
Little River	---	1	---	3	---	2	18	---	3	---	27
Logan	---	1	---	1	---	---	5	---	3	---	10
Lonoke	---	1	25	4	3	237	166	---	4	---	440
Madison	---	1	---	---	---	---	---	---	1	1	3
Marion	---	1	---	---	---	---	---	---	---	---	1
Miller	---	1	1	6	---	4	31	---	7	---	50
Mississippi	---	2	61	3	---	17	353	---	166	---	602
Monroe	---	1	19	2	2	96	124	---	1	---	245
Montgomery	---	1	---	---	---	---	---	---	---	---	1
Nevada	---	---	---	---	---	---	4	---	---	---	4
Newton	---	---	---	---	---	---	---	---	---	---	---
Ouachita	---	---	---	---	---	---	5	---	---	---	5
Perry	---	---	---	1	---	6	7	---	1	---	15
Phillips	---	2	29	2	---	20	179	---	10	---	242
Pike	---	1	---	---	---	---	4	---	---	---	5
Poinsett	---	1	32	4	1	244	232	---	30	---	544
Polk	---	1	---	---	---	---	---	---	---	---	1

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Arkansas--Continued											
Pope	---	2	---	---	---	---	12	---	2	---	16
Prairie	---	---	1	2	12	207	223	---	1	---	446
Pulaski	---	1	5	1	---	15	39	---	10	---	71
Randolph	---	1	2	20	---	29	39	---	16	---	107
St. Francis	---	1	14	3	---	98	132	---	48	---	296
Saline	---	---	---	---	---	---	1	---	---	---	1
Scott	---	1	---	---	---	---	1	---	---	---	2
Scarcy	---	---	---	---	---	---	---	---	---	---	---
Sebastian	---	---	---	---	---	---	6	---	1	---	7
Sevier	---	1	---	---	---	---	3	---	---	---	4
Sharp	---	---	---	---	---	---	---	---	---	---	---
Stone	---	---	---	---	---	---	---	---	---	---	---
Union	---	---	---	---	---	---	---	---	---	---	---
Van Buren	---	1	---	1	---	---	---	---	---	---	2
Washington	---	---	---	1	---	---	---	---	---	1	2
White	---	1	---	11	4	33	103	---	1	---	153
Woodruff	---	1	11	6	---	146	209	---	27	---	400
Yell	---	2	1	2	---	4	11	---	3	---	23
Unallocated 2/	---	0	4	6	46	---	2	---	2	3	62
State total	---	87	495	274	72	3004	4027	---	866	7	8331
California											
Alameda	12	---	---	1	---	---	---	4	1	---	18
Alpine	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---
Butte	35	25	---	26	5	391	---	8	98	11	599
Calaveras	---	---	398	---	---	---	---	---	---	---	398
Colusa	51	2	---	15	1	578	---	44	252	13	956
Contra Costa	11	36	---	6	---	---	---	13	9	---	75

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugarbeets	Wheat	Other	
-----000 Tons-----											
California--Cont.											
Del Norte											
Eldorado											
Fresno	590	97		24	5	78		111	18	10	933
Glenn	45	11		15	1	303		21	88	7	491
Humboldt											
Imperial	41	1	119	46							
Inyo								331	746		1284
Kern	119	40	400	29	1	25				1	1
Kings	363	72	223	14	5	3		70	253	18	955
Lake	1							4	210	2	896
Lassen	8								1		2
Los Angeles	25				1				20		29
Madera	66	118	50	6	1	1		8	19		52
Marin								26	20	3	291
Mariposa									1		1
Mendocino	3	1									
Merced	74	138	50	16	10	60		77	68	10	503
Modoc	71				6				58		135
Mono									9		9
Monterey	118	8			1			67	7	49	250
Napa											
Nevada											
Orange	16										
Placer					15	39					16
Plumas											54
Riverside	74										
Sacramento	54		25	11	7			15		1	133
San Benito	28	246		19	6	67		20	107	11	530
San Bernardino	3	1			1			3	1	1	34
									187		191

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See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
California--Cont.											
San Diego	12	2	---	---	3	---	---	---	1	1	19
San Francisco	---	---	---	---	---	---	---	---	---	---	---
San Joaquin	124	283	---	20	12	43	---	134	137	46	799
San Luis Obispo ..	134	1	---	1	5	---	---	6	99	9	255
San Mateo	---	---	---	---	2	---	---	---	---	---	2
Santa Barbara	9	---	---	---	1	---	---	10	8	15	43
Santa Clara	4	---	---	---	---	---	---	3	---	1	8
Santa Cruz	---	---	---	1	---	---	---	---	---	2	3
Shasta	4	---	---	---	1	---	---	---	3	1	9
Sierra	---	---	---	---	---	---	---	---	---	---	---
Siskiyou	56	---	---	---	8	---	---	---	67	---	131
Solano	54	53	---	19	6	---	---	92	151	9	384
Sonoma	1	---	---	---	8	5	---	---	---	---	14
Stanislaus	62	33	---	7	11	13	---	20	6	18	170
Sutter	42	23	---	33	---	379	---	9	149	6	641
Tehama	23	3	---	2	5	---	---	4	19	7	63
Trinity	---	---	---	---	---	---	---	---	---	---	---
Tulare	161	236	141	49	12	7	---	16	180	12	814
Tuolumne	---	---	---	---	---	---	---	---	---	---	---
Ventura	4	---	---	---	1	---	---	2	---	---	7
Yolo	109	104	---	51	1	179	---	119	218	7	788
Yuba	3	2	---	1	---	111	---	---	11	1	129
Unallocated 2/ ...	73	1	1	5	3	1	---	8	231	4	327
State total	2683	1537	1407	417	144	2283	---	1245	3454	279	13447
Colorado											
Adams	24	13	---	---	1	---	---	5	205	2	250
Alamosa	61	---	---	---	3	---	---	---	2	---	66
Arapahoe	15	5	---	---	---	---	---	---	81	---	101

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Colorado--Continued											
Archuleta	--	--	--	--	--	--	--	--	--	--	--
Baca	1	141	--	87	--	--	--	1	94	--	324
Bent	3	6	--	18	1	--	--	--	11	--	39
Boulder	14	23	--	--	2	--	--	--	10	3	52
Chaffee	--	--	--	--	--	--	--	--	--	--	--
Cheyenne	1	23	--	3'	--	--	--	3	75	--	105
Clear Creek	--	--	--	--	--	--	--	--	--	--	--
Conejos	48	--	--	--	3	--	--	--	--	--	51
Costilla	36	--	--	--	1	--	--	--	1	--	38
Crowley	--	9	--	5	--	--	--	1	6	3	24
Custer	--	--	--	--	--	--	--	--	1	--	1
Delta	18	16	--	1	2	--	--	8	2	4	51
Denver	--	--	--	--	--	--	--	--	--	--	--
Dolores	--	--	--	--	--	--	--	--	30	12	42
Douglas	2	--	--	--	--	--	--	--	17	--	19
Eagle	--	--	--	--	--	--	--	--	--	--	--
Elbert	6	1	--	--	--	--	--	--	60	1	69
El Paso	--	4	--	--	1	--	--	--	5	--	10
Fremont	--	--	--	--	1	--	--	--	22	--	22
Garfield	--	--	--	--	--	--	--	--	--	--	--
Gilpin	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
Gunnison	--	--	--	--	--	--	--	--	--	--	--
Hinsdale	--	--	--	--	--	--	--	--	--	--	--
Huerfano	--	--	--	--	--	--	--	--	3	--	3
Jackson	--	--	--	--	--	--	--	--	--	--	--
Jefferson	3	1	--	--	--	--	--	--	--	--	--
Kiowa	--	15	--	8	--	--	--	--	6	--	10
Kit Carson	4	206	--	9	--	--	--	40	144	--	167
									220	8	487

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/		
-----000 Tons-----												
Colorado--Continued												
Lake	---	---	---	---	---	---	---	---	---	---	---	---
La Plata	1	---	---	---	1	---	---	---	13	3	18	---
Larimer	40	46	---	---	2	---	---	20	31	9	148	---
Las Animas	1	1	---	1	---	---	---	---	4	---	7	---
Lincoln	2	6	---	1	---	---	---	---	144	1	154	---
Logan	3	200	---	2	3	---	---	30	226	9	473	---
Mesa	18	42	---	1	1	---	---	12	5	1	80	---
Mineral	---	---	---	---	---	---	---	---	---	---	---	---
Moffat	---	---	---	---	1	---	---	---	42	---	43	---
Montezuma	4	2	---	---	---	---	---	---	---	17	23	---
Montrose	28	8	---	---	2	---	---	9	10	7	64	---
Morgan	21	203	---	3	2	---	---	36	63	12	340	---
Otero	1	33	---	3	---	---	---	5	14	1	57	---
Ouray	---	---	---	---	---	---	---	---	---	---	---	---
Park	---	---	---	---	---	---	---	---	---	---	---	---
Phillips	2	148	---	2	1	---	---	15	142	11	321	---
Pitkin	4	---	---	---	---	---	---	---	---	---	4	---
Prowers	3	34	---	43	---	---	---	3	82	---	165	---
Pueblo	1	18	---	7	1	---	---	---	6	7	40	---
Rio Blanco	7	---	---	---	---	---	---	---	14	---	21	---
Rio Grande	78	---	---	---	2	---	---	---	4	---	84	---
Routt	11	---	---	---	1	---	---	---	42	---	54	---
Saguache	48	---	---	---	1	---	---	---	---	---	49	---
San Juan	---	---	---	---	---	---	---	---	---	---	---	---
San Miguel	---	---	---	---	---	---	---	---	---	---	---	---
Sedgwick	4	105	---	---	1	---	---	7	3	2	5	---
Summitt	---	---	---	---	---	---	---	---	156	13	286	---
Teller	---	---	---	---	---	---	---	---	---	---	---	---
Washington	14	47	---	3	1	---	---	7	418	5	495	---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Colorado--Continued											
Wild	91	384	---	2	9	---	---	132	236	44	898
Yuma	1	510	---	11	1	---	---	29	170	9	732
Unallocated 2/	5	---	---	1	2	---	---	9	14	1	32
State total	624	2250	---	211	47	---	---	372	2834	186	6524
Connecticut											
Fairfield	---	---	---	---	---	---	---	---	---	---	---
Hartford	---	2	---	---	---	---	---	---	---	---	2
Litchfield	---	3	---	---	---	---	---	---	---	---	3
Middlesex	---	1	---	---	---	---	---	---	---	---	1
New Haven	---	---	---	---	---	---	---	---	---	---	---
New London	---	2	---	---	---	---	---	---	---	---	2
Tolland	---	---	---	---	---	---	---	---	---	---	---
Windham	---	1	---	---	---	---	---	---	---	---	1
Unallocated 2/	---	---	---	---	---	---	---	---	---	---	---
State total	---	9	---	---	---	---	---	---	---	---	9
Delaware											
Kent	14	216	---	---	---	---	59	---	19	5	313
New Castle	4	100	---	---	---	---	29	---	17	1	151
Sussex	24	473	---	---	---	---	94	---	28	7	626
Unallocated 2/	---	---	---	---	---	---	---	---	---	---	---
State total	42	789	---	---	---	---	182	---	64	13	1090
Florida											
Alachua	---	39	---	---	---	---	2	---	---	4	45
Baker	---	5	---	---	---	---	---	---	---	---	5
Bay	---	1	---	---	---	---	9	---	---	---	10
Bradford	---	2	---	---	---	---	2	---	---	---	4

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
	-----000 Tons-----										
Florida--Continued											
Brevard	---	3	---	---	---	---	---	---	---	---	3
Broward	---	---	---	---	---	---	---	---	---	---	---
Calhoun	---	19	---	---	1	---	20	---	1	6	47
Charlotte	---	3	---	---	---	---	---	---	---	---	3
Citrus	---	---	---	---	---	---	---	---	---	---	---
Clay	---	---	---	---	---	---	---	---	---	---	---
Collier	---	---	---	---	---	---	---	---	---	---	---
Columbia	---	49	---	---	---	---	---	---	---	2	51
Dade	---	---	---	---	---	---	---	---	---	---	---
DeSoto	---	3	---	---	---	---	---	---	---	---	3
Dixie	---	4	---	---	---	---	---	---	---	---	4
Duval	---	---	---	---	---	---	---	---	---	---	---
Escambia	---	37	---	---	3	---	51	---	9	---	100
Flagler	---	1	---	---	---	---	---	---	---	---	1
Franklin	---	2	---	---	---	---	9	---	---	---	11
Gadsden	---	32	---	---	---	---	5	---	2	2	41
Gilchrist	---	37	---	---	---	---	2	---	---	1	40
Glades	---	3	---	---	---	---	---	---	---	81	84
Gulf	---	2	---	---	---	---	9	---	---	---	11
Hamilton	---	79	---	---	---	---	---	---	---	---	79
Hardee	---	3	---	---	---	---	---	---	---	---	3
Hendry	---	3	---	---	---	---	---	---	---	423	426
Hernando	---	---	---	---	---	---	---	---	---	---	---
Highlands	---	3	---	---	---	---	---	---	---	---	3
Hillsborough	---	---	---	---	---	---	---	---	---	---	---
Holmes	---	23	---	---	---	---	6	---	---	7	36
Indian River	---	3	---	---	---	---	---	---	---	---	3
Jackson	---	83	---	---	4	---	31	---	4	64	186
Jefferson	---	33	---	---	---	---	5	---	---	3	41

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Florida--Continued											
Lafayette	---	14	---	---	---	---	---	---	---	---	14
Lake	---	---	---	---	---	---	---	---	---	---	---
Lee	---	3	---	---	---	---	---	---	---	---	3
Leon	---	15	---	---	1	---	2	---	---	1	19
Levy	---	16	---	---	---	---	2	---	---	9	27
Liberty	---	1	---	---	---	---	2	---	---	---	3
Madison	---	57	---	---	---	---	---	---	---	1	58
Manatee	---	3	---	---	---	---	---	---	---	---	3
Marion	---	16	---	---	---	---	2	---	---	7	25
Martin	---	3	---	---	---	---	---	---	---	---	3
Monroe	---	---	---	---	---	---	---	---	---	---	---
Nassau	---	1	---	---	---	---	---	---	---	---	1
Okaloosa	---	18	---	---	1	---	16	---	3	1	39
Okeechobee	---	3	---	---	---	---	---	---	---	---	3
Orange	---	1	---	---	---	---	---	---	---	---	1
Osceola	---	---	---	---	---	---	---	---	---	---	---
Palm Beach	---	---	---	---	---	---	---	---	---	---	---
Pasco	---	---	---	---	---	---	---	---	---	1123	1123
Pinellas	---	---	---	---	---	---	---	---	---	---	---
Polk	---	---	---	---	---	---	---	---	---	---	---
Putnam	---	2	---	---	---	---	---	---	---	---	2
St. Johns	---	4	---	---	---	---	---	---	---	---	4
St. Lucie	---	3	---	---	---	---	---	---	---	---	3
Santa Rosa	---	38	2	---	1	---	43	---	5	15	104
Sarasota	---	---	---	---	---	---	---	---	---	---	---
Seminole	---	---	---	---	---	---	---	---	---	---	---
Sumter	---	1	---	---	---	---	---	---	---	---	1
Suwannee	---	93	---	---	---	---	---	---	---	4	97
Taylor	---	1	---	---	---	---	---	---	---	---	1

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Florida--Continued											
Union	---	9	---	---	---	---	2	---	---	---	11
Volusia	---	---	---	---	---	---	---	---	---	---	---
Wakulla	---	1	---	---	---	---	9	---	---	1	11
Walton	---	22	---	---	---	---	9	---	---	3	34
Washington ..	---	13	---	---	---	---	5	---	---	2	20
Unallocated 2/...	---	---	---	---	1	---	10	---	5	2	18
State total	---	809	2	---	12	---	253	---	29	1762	2867
Georgia											
Appling	---	131	---	---	---	---	2	---	---	1	134
Atkinson	---	43	---	---	---	---	2	---	---	1	46
Bacon	---	97	---	---	---	---	1	---	---	---	98
Baker	---	65	---	---	1	---	4	---	1	39	110
Baldwin	---	7	---	---	---	---	1	---	---	---	8
Banks	---	4	---	---	---	---	---	---	---	---	4
Barrow	---	2	---	---	---	---	2	---	---	---	4
Barton	---	3	2	1	---	---	10	---	1	---	17
Ben Hill	---	46	---	---	---	---	4	---	---	18	68
Berrien	---	92	---	1	---	---	12	---	---	5	110
Bibb	---	2	---	---	---	---	3	---	---	---	5
Beckley	---	39	5	---	1	---	11	---	3	7	66
Brantley	---	14	---	---	---	---	---	---	---	---	14
Brooks	---	120	2	2	1	---	37	---	1	13	176
Bryan	---	11	---	---	---	---	4	---	---	1	16
Bulloch	---	174	---	---	1	---	---	---	4	39	218
Burke	---	68	7	---	2	---	108	---	9	23	217
Butts	---	2	---	---	---	---	3	---	---	---	5
Calhoun	---	31	3	---	---	---	13	---	2	46	95
Camden	---	---	---	---	---	---	---	---	---	---	---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested												
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other	1/	Total	
-----000 Tons-----													
Georgia--Continued													
Candler	---	58	---	---	---	---	---	---	1	5	---	64	
Carroll	---	6	---	---	---	---	---	---	---	---	---	6	
Catoosa	---	1	---	---	---	---	---	---	---	---	---	1	
Charlton	---	2	---	---	---	---	---	---	---	---	---	2	
Chatham	---	2	---	---	---	---	1	---	---	---	---	3	
Chattahoochee	---	---	---	---	---	---	---	---	---	---	---	---	
Chattooga	---	7	---	---	---	---	3	---	---	---	---	10	
Cherokee	---	1	---	---	---	---	---	---	---	---	---	1	
Clarke	---	---	---	---	---	---	3	---	1	---	---	4	
Clay	---	16	2	1	---	---	3	---	1	31	---	54	
Clayton	---	2	---	---	---	---	---	---	---	---	---	2	
Clinch	---	6	---	---	---	---	1	---	---	11	---	18	
Cobb	---	---	---	---	---	---	---	---	---	---	---	---	
Coffee	---	174	---	---	1	---	2	---	---	---	---	---	
Colquitt	---	108	6	1	1	---	8	---	1	---	---	178	
Columbia	---	2	---	---	---	---	1	---	---	24	---	148	
Cook	---	69	---	---	---	---	14	---	---	6	---	3	
Coweta	---	7	---	---	---	---	2	---	---	---	---	89	
Crawford	---	3	---	---	1	---	3	---	1	---	---	9	
Crisp	---	54	3	---	1	---	16	---	3	40	---	8	
Dade	---	---	---	---	---	---	---	---	---	---	---	117	
Dawson	---	3	---	---	---	---	---	---	---	---	---	---	
Decatur	---	117	---	1	1	---	11	---	---	---	---	3	
DeKalb	---	---	---	---	---	---	---	---	1	54	---	185	
Dodge	---	65	3	1	---	---	9	---	---	---	---	---	
Dooly	---	50	28	---	1	---	28	---	2	20	---	100	
Dougherty	---	22	---	3	1	---	4	---	6	46	---	159	
Douglas	---	---	---	---	---	---	---	---	1	16	---	47	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugarbeets	Wheat	Other 1/	
-----000 Tons-----											
Georgia--Continued											
Early	---	94	1	3	1	---	9	---	3	80	191
Echols	---	9	---	---	---	---	---	---	---	---	9
Effingham	---	33	---	---	---	---	15	---	---	2	50
Elbert	---	2	1	2	---	---	6	---	1	---	12
Emanuel	---	96	---	---	---	---	17	---	2	9	124
Evans	---	37	---	---	---	---	10	---	1	1	49
Fannin	---	2	---	---	---	---	---	---	---	---	2
Fayette	---	2	---	---	---	---	2	---	---	---	4
Floyd	1	6	1	---	---	---	9	---	---	1	18
Forsyth	---	2	---	---	---	---	---	---	1	---	3
Franklin	---	6	---	---	---	---	6	---	1	---	13
Fulton	---	---	---	---	---	---	2	---	---	---	2
Gilmer	---	2	---	---	---	---	---	---	---	---	2
Glascok	---	10	1	---	---	---	3	---	1	4	19
Glynn	---	---	---	---	---	---	---	---	---	---	---
Gordon	---	4	---	---	---	---	16	---	1	---	21
Grady	---	121	---	---	2	---	8	---	---	21	152
Greene	---	2	---	---	---	---	---	---	1	---	3
Gwinnett	---	2	---	---	---	---	1	---	---	---	3
Habersham	---	1	---	---	---	---	---	---	---	---	1
Hall	1	2	---	---	---	---	---	---	---	---	3
Hancock	---	5	---	---	---	---	2	---	---	1	8
Haralson	---	2	---	---	---	---	1	---	---	---	3
Harris	---	1	---	---	---	---	1	---	---	---	2
Hart	1	2	---	2	3	---	14	---	4	---	26
Heard	---	4	---	---	---	---	---	---	---	---	4
Henry	---	4	---	---	1	---	6	---	2	---	13
Houston	2	24	1	---	6	---	37	---	14	14	98
Irwin	---	111	1	---	---	---	5	---	---	41	158

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Georgia--Continued											
Jackson	---	1	---	---	---	---	3	---	1	---	5
Jasper	---	2	---	---	---	---	---	---	---	---	2
Jeff Davis	---	72	---	---	---	---	4	---	---	1	77
Jefferson	3	27	3	---	6	---	34	---	16	15	104
Jenkins	---	---	---	---	1	---	22	---	4	10	37
Johnson	---	47	1	---	---	---	6	---	3	3	60
Jones	---	1	---	---	---	---	---	---	---	---	1
Lamar	---	3	---	---	---	---	1	---	1	---	5
Lanier	---	31	---	---	3	---	2	---	---	---	33
Laurens	---	156	2	1	6	---	28	---	9	22	221
Lee	---	75	---	2	---	---	9	---	2	43	137
Liberty	---	3	---	---	---	---	---	---	---	---	3
Lincoln	---	2	---	---	---	---	---	---	---	---	2
Long	---	7	---	---	---	---	---	---	---	---	7
Lowndes	---	95	---	---	---	---	6	---	---	2	103
Lumpkin	---	3	---	---	---	---	---	---	---	---	3
Macon	---	39	1	---	5	---	34	---	9	16	104
Madison	---	3	---	1	2	---	12	---	3	---	21
Marion	---	10	---	---	---	---	1	---	1	7	19
McDuffy	---	7	---	---	---	---	3	---	1	1	12
McIntosh	---	---	---	---	---	---	---	---	---	---	---
Meriwether	---	11	---	---	---	---	4	---	---	---	15
Miller	---	79	---	1	1	---	9	---	1	54	145
Mitchell	---	148	---	1	4	---	8	---	1	55	220
Monroe	---	3	---	---	---	---	---	---	---	1	4
Montgomery	---	44	---	---	---	---	5	---	---	4	53
Morgan	---	7	2	---	1	---	4	---	1	---	15
Murray	---	4	---	---	---	---	6	---	1	---	11
Muscogee	---	---	---	---	---	---	---	---	---	---	---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Georgia--Continued											
Newton	---	4	---	---	---	---	1	---	1	---	6
Oconee	---	1	1	---	---	---	9	---	4	---	15
Oglethorpe	---	2	---	---	1	---	6	---	1	---	10
Paulding	---	1	---	---	---	---	---	---	---	---	1
Peach	---	8	---	---	6	---	23	---	7	2	46
Pickens	---	---	---	---	---	---	---	---	---	---	---
Pierce	---	86	---	---	1	---	4	---	---	---	91
Pike	---	3	---	---	1	---	6	---	2	---	12
Polk	---	1	---	---	---	---	51	---	1	---	53
Pulaski	---	42	5	---	1	---	13	---	3	25	89
Putnam	---	2	---	---	---	---	---	---	---	---	2
Quitman	---	5	---	---	---	---	---	---	---	4	9
Rabun	---	3	---	---	---	---	---	---	---	---	3
Randolph	---	51	2	1	---	---	16	---	3	47	120
Richmond	---	7	---	---	---	---	8	---	1	2	18
Rockdale	---	2	---	---	---	---	---	---	---	---	2
Schley	---	20	---	---	---	---	4	---	1	9	34
Screven	---	87	2	---	1	---	60	---	2	14	166
Seminole	---	58	---	1	3	---	8	---	2	37	109
Spalding	---	2	---	---	---	---	4	---	2	---	8
Stephens	---	1	---	---	---	---	---	---	---	1	2
Stewart	---	12	---	---	1	---	3	---	1	17	34
Sumter	---	60	2	2	5	---	28	---	8	3	108
Talbot	---	2	---	---	---	---	1	---	---	4	7
Taliaferro	---	---	---	---	---	---	---	---	---	---	---
Tattnall	---	110	---	---	---	---	16	---	1	4	141
Taylor	---	18	1	---	---	---	13	---	3	5	40
Telfair	---	44	---	1	---	---	6	---	3	11	65
Terrell	---	75	2	1	1	---	8	---	4	52	143

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Georgia--Continued											
Thomas	---	82	---	---	2	---	27	---	---	12	123
Tift	---	78	---	---	---	---	7	---	---	33	118
Toombs	---	78	---	---	2	---	6	---	1	5	92
Towns	---	2	---	---	---	---	---	---	---	---	2
Treutlen	---	30	---	---	---	---	1	---	---	---	31
Troup	---	1	---	---	---	---	---	---	---	---	1
Turner	---	53	3	---	---	---	7	---	---	51	114
Twiggs	---	19	1	---	---	---	1	---	1	3	25
Union	---	5	---	---	---	---	---	---	---	---	5
Upson	---	2	---	---	---	---	1	---	1	---	4
Walker	---	4	---	---	---	---	3	---	---	---	7
Walton	---	3	2	---	---	---	13	---	1	---	19
Ware	---	41	---	---	---	---	2	---	---	---	43
Warren	---	11	1	---	1	---	6	---	2	1	22
Washington	---	41	2	1	1	---	17	---	8	7	77
Wayne	---	66	---	---	1	---	2	---	---	---	69
Webster	---	19	---	---	---	---	1	---	1	22	43
Wheeler	---	37	---	---	1	---	9	---	1	4	52
White	---	2	---	---	---	---	---	---	---	---	2
Whitford	---	2	---	1	---	---	5	---	---	---	8
Wilcox	---	39	1	1	---	---	5	---	1	---	47
Wilkes	---	2	---	---	---	---	1	---	1	---	5
Wilkinson	---	19	---	---	---	---	2	---	---	---	21
Worth	---	109	1	2	1	---	9	---	1	---	123
Unallocated 2/ ...	4	75	5	11	12	---	15	---	8	156	274
State total	13	4719	4719	47	97	---	1125	---	202	1385	7695

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Idaho											
Ada	15	8	---	---	2	---	---	3	27	1	56
Adams	1	---	---	---	1	---	---	---	1	---	3
Bannock	44	---	---	---	1	---	---	2	87	---	134
Bearlake	22	---	---	---	1	---	---	---	22	---	45
Benewah	10	---	---	---	3	---	---	---	61	---	74
Bingham	85	1	---	---	4	---	---	19	331	1	441
Blaine	11	---	---	---	2	---	---	4	15	---	32
Boise	---	---	---	---	1	---	---	---	---	---	1
Bonner	---	1	---	---	2	---	---	---	1	---	4
Bonneville	92	---	---	---	2	---	---	8	191	---	293
Boundary	24	---	---	---	5	---	---	---	37	---	66
Butte	25	---	---	---	3	---	---	---	22	---	50
Camas	16	---	---	---	---	---	---	---	8	---	24
Canyon	75	23	---	---	3	---	---	134	104	16	355
Caribou	176	---	---	---	3	---	---	---	51	---	230
Cassia	109	5	---	---	1	---	---	40	173	43	371
Clark	6	---	---	---	1	---	---	---	16	---	23
Clearwater	8	---	---	---	1	---	---	---	20	---	29
Custer	8	---	---	---	1	---	---	---	3	---	12
Elmore	28	2	---	---	1	---	---	10	47	9	97
Franklin	51	---	---	---	---	---	---	6	44	---	101
Fremont	59	---	---	---	2	---	---	---	71	---	132
Gem	6	2	---	---	1	---	---	---	8	---	17
Gooding	9	17	---	---	2	---	---	5	29	7	69
Idaho	54	---	---	---	3	---	---	---	165	---	222
Jefferson	42	1	---	---	3	---	---	3	89	---	138
Jerome	31	11	---	---	1	---	---	10	91	42	186
Kootenai	16	---	---	---	5	---	---	---	57	---	78

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat			
-----000 Tons-----												
Idaho--Continued												
Latah	81	---	---	---	4	---	---	---	310	---	---	395
Lemhi	5	---	---	---	2	---	---	---	3	---	---	10
Lewis	50	---	---	---	2	---	---	---	166	---	---	218
Lincoln	16	1	---	---	1	---	---	5	34	---	---	57
Madison	88	---	---	---	3	---	---	2	79	1	---	173
Minidoka	10	---	---	---	1	---	---	61	122	---	---	194
Nez Perce	---	---	---	---	1	---	---	---	239	15	---	255
Oneida	56	---	---	---	1	---	---	---	87	---	---	144
Owyhee	38	11	---	---	1	---	---	23	302	---	---	375
Payette	7	3	---	---	1	---	---	10	21	5	---	47
Power	41	---	---	---	---	---	---	19	---	---	---	60
Shoshone	---	---	---	---	---	---	---	---	---	---	---	---
Teton	47	---	---	---	1	---	---	---	23	---	---	71
Twin Falls	44	21	---	---	3	---	---	38	136	110	---	352
Valley	2	---	---	---	4	---	---	---	1	---	---	7
Washington	15	5	---	---	3	---	---	9	39	---	---	71
Unallocated 2/ ...	153	3	---	---	---	---	---	1	---	---	---	157
State total	1676	115	---	---	83	---	---	412	3333	250	---	5869
Illinois												
Adams	1	497	---	1	4	---	132	---	74	1	---	710
Alexander	---	32	---	---	---	---	23	---	26	---	---	81
Bond	---	214	---	5	---	---	70	---	71	---	---	360
Boone	---	347	---	---	10	---	50	---	4	---	---	411
Brown	---	188	---	---	1	---	32	---	20	---	---	241
Bureau	---	1400	---	---	20	---	171	---	9	---	---	1600
Calhoun	---	110	---	---	1	---	12	---	10	---	---	133
Carroll	---	614	---	---	31	---	14	---	5	---	---	664
Cass	---	447	---	2	3	---	72	---	30	---	---	554

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
-----000 Tons-----												
Illinois--Continued												
Champaign	---	1712	---	---	9	---	326	---	64	1		2112
Christian	---	981	---	1	4	---	233	---	64	1		1284
Clark	---	339	---	1	1	---	114	---	54	---		509
Clay	---	185	---	5	1	---	97	---	41	1		330
Clinton	1	183	---	4	2	---	86	---	88	---		364
Coles	---	799	---	---	2	---	124	---	44	---		969
Cook	---	80	---	---	3	---	27	---	9	---		119
Crawford	---	282	---	3	---	---	86	---	48	---		419
Cumberland	---	193	---	1	1	---	69	---	32	---		296
DeKalb	---	990	---	---	14	---	162	---	11	---		1177
DeWitt	---	737	---	---	3	---	130	---	7	---		877
Douglas	---	810	---	---	6	---	121	---	23	---		960
DuPage	---	95	---	---	3	---	20	---	11	---		129
Edgar	---	834	---	---	5	---	167	---	36	---		1042
Edwards	---	188	---	3	---	---	43	---	30	---		264
Effingham	---	375	---	1	2	---	99	---	79	---		556
Fayette	---	314	---	2	2	---	98	---	107	---		523
Ford	---	763	---	---	8	---	163	---	8	---		942
Franklin	---	130	---	4	---	---	65	---	38	---		237
Fulton	---	795	---	---	8	---	125	---	32	---		960
Gallatin	---	274	---	1	---	---	58	---	35	---		368
Greene	---	477	---	---	1	---	101	---	60	---		639
Grundy	---	544	---	---	4	---	104	---	5	---		657
Hamilton	---	168	---	4	---	---	103	---	45	---		320
Hancock	---	726	---	---	6	---	155	---	33	---		920
Hardin	---	18	---	---	---	---	1	---	---	---		19
Henderson	---	534	---	---	9	---	50	---	10	---		603
Henry	1	1368	---	---	42	---	110	---	3	---		1524
Iroquois	---	1612	---	1	13	---	344	---	32	---		2002

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other	
-----000 Tons-----											
Illinois--Continued											
Jackson	---	95	---	1	---	---	75	---	55	1	227
Jasper	---	332	---	4	1	---	129	---	59	---	525
Jefferson	---	146	---	3	---	---	87	---	65	---	301
Jersey	---	321	---	2	21	---	8	---	1	---	353
Jo Daviess	---	284	---	---	---	---	61	---	46	---	391
Johnson	---	52	---	4	---	---	6	---	4	---	66
Kane	---	584	---	---	14	---	75	---	21	---	694
Kankakee	---	912	---	---	11	---	157	---	50	1	1131
Kendall	---	418	---	---	6	---	69	---	14	---	507
Knox	---	957	---	---	14	---	95	---	11	---	1077
Lake	1	68	---	---	8	---	19	---	25	---	121
LaSalle	---	1644	---	---	16	---	328	---	8	---	1996
Lawrence	---	254	---	1	1	---	43	---	54	---	353
Lee	---	985	---	---	15	---	145	---	19	---	1164
Livingston	---	1635	---	---	16	---	379	---	13	---	2043
Logan	---	1200	---	---	13	---	195	---	23	---	1431
Macon	---	971	---	---	2	---	191	---	34	---	1198
Macoupin	---	736	---	1	2	---	189	---	99	---	1027
Madison	1	283	---	4	1	---	127	---	163	1	580
Marion	---	222	---	2	1	---	93	---	88	---	406
Marshall	---	650	---	---	7	---	72	---	4	---	733
Mason	---	716	---	---	3	---	112	---	68	---	899
Massac	---	75	---	3	---	---	17	---	10	8	113
McDonough	---	936	---	---	7	---	132	---	8	---	1083
McHenry	2	578	---	---	18	---	41	---	22	---	661
McLean	---	2178	---	---	12	---	383	---	13	---	2586
Menard	---	460	---	---	1	---	95	---	19	---	575
Mercer	---	852	---	---	13	---	61	---	11	---	937
Monroe	1	125	---	4	2	---	46	---	100	---	278

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/		
-----000 Tons-----												
Illinois--Continued												
Montgomery	---	555	---	1	3	---	157	---	99	---	815	
Morgan	---	554	---	---	4	---	112	---	51	---	721	
Moultrie	---	580	---	---	5	---	94	---	21	---	700	
Ogle	---	1049	---	2	34	---	85	---	26	1	1197	
Peoria	---	668	---	---	8	---	81	---	23	---	780	
Perry	---	87	---	3	1	---	47	---	34	---	172	
Platt	---	1056	---	---	3	---	152	---	12	---	1223	
Pike	---	525	---	2	6	---	88	---	43	---	664	
Pope	---	---	---	---	---	---	---	---	---	---	---	
Pulaski	---	28	---	5	---	---	19	---	15	---	67	
Putnam	---	227	---	---	3	---	28	---	4	---	262	
Randolph	1	205	---	4	2	---	72	---	93	---	377	
Richland	---	195	---	2	---	---	65	---	32	---	294	
Rock Island	---	344	---	---	9	---	31	---	4	---	388	
St. Clair	1	296	---	3	1	---	143	---	150	---	594	
Saline	---	145	---	1	---	---	27	---	33	---	206	
Sangamon	---	1146	---	1	6	---	220	---	58	---	1431	
Schuyler	---	327	---	---	1	---	68	---	31	---	427	
Scott	---	271	---	---	1	---	48	---	19	1	340	
Shelby	---	851	---	1	2	---	163	---	77	---	1094	
Stark	---	497	---	---	6	---	56	---	3	---	562	
Stephenson	---	761	---	---	28	---	26	---	10	---	825	
Tazewell	---	1000	---	---	5	---	119	---	24	2	1155	
Union	---	51	---	2	5	---	22	---	12	---	92	
Vermilion	---	1203	---	---	---	---	223	---	66	---	1492	
Wabash	---	185	---	---	---	---	24	---	27	---	236	
Warren	---	951	---	---	13	---	114	---	3	---	1081	
Washington	---	201	---	9	1	---	124	---	115	---	450	
Wayne	---	250	---	3	1	---	113	---	99	---	466	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat			
-----000 Tons-----												
Illinois--Continued												
White	---	321	---	3	---	---	107	---	65	---	---	496
Whiteside	---	1129	---	---	24	---	87	---	11	---	---	1251
Will	---	538	---	---	14	---	133	---	48	---	---	733
Williamson	---	36	---	---	---	---	12	---	8	---	---	56
Winnebago	1	494	---	---	16	---	31	---	8	---	---	550
Woodford	---	950	---	---	6	---	138	---	11	---	---	1105
Unallocated 2/ ...	11	1	---	4	3	---	19	---	---	11	---	32
State total	22	56701	---	114	635	---	10418	---	3745	30	---	71665
Indiana												
Adams	---	182	---	---	10	---	60	---	70	---	---	322
Allen	---	321	---	---	19	---	99	---	107	---	---	546
Bartholomew	---	214	---	---	1	---	35	---	53	---	---	303
Benton	---	635	---	---	6	---	119	---	41	---	---	801
Blackford	---	103	---	---	4	---	30	---	17	---	---	154
Boone	---	506	---	---	4	---	85	---	43	---	---	638
Brown	---	10	---	---	---	---	1	---	---	---	---	11
Carroll	---	609	---	1	5	---	77	---	57	---	---	749
Cass	---	499	---	---	5	---	71	---	74	---	---	649
Clark	1	67	---	---	---	---	17	---	15	---	---	100
Clay	---	236	---	---	1	---	57	---	25	---	---	319
Clinton	---	651	---	---	4	---	94	---	47	---	---	796
Crawford	---	15	---	---	---	---	2	---	4	---	---	21
Daviess	---	368	---	3	1	---	35	---	48	---	---	455
Dearborn	---	36	---	---	2	---	6	---	5	---	---	49
Decatur	1	347	---	---	2	---	42	---	29	---	---	421
DeKalb	---	172	---	---	8	---	41	---	41	---	---	262
Delaware	---	320	---	4	6	---	72	---	77	---	---	479
Dubois	2	252	---	1	2	---	12	---	24	---	---	293

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Indiana--Continued											
Eckhart	---	300	---	---	7	---	40	---	69	1	417
Fayette	---	131	---	---	3	---	21	---	24	---	179
Floyd	---	10	---	---	---	---	1	---	2	---	13
Fountain	---	386	---	---	5	---	69	---	37	---	497
Franklin	---	158	---	---	3	---	19	---	16	---	196
Fulton	---	306	---	1	3	---	47	---	39	---	396
Gibson	---	536	---	---	---	---	60	---	64	---	660
Grant	---	312	---	---	3	---	91	---	42	---	448
Greene	---	242	---	---	1	---	31	---	18	---	292
Hamilton	---	383	---	---	5	---	75	---	64	---	527
Hancock	---	273	---	---	3	---	66	---	32	---	374
Harrison	4	54	---	2	3	---	8	---	27	2	100
Hendricks	---	286	---	---	5	---	71	---	45	---	407
Henry	---	282	---	---	4	---	64	---	39	---	389
Howard	---	391	---	---	2	---	78	---	40	---	511
Huntington	---	234	---	---	6	---	84	---	54	---	378
Jackson	---	217	---	---	1	---	25	---	30	---	273
Jasper	---	731	---	---	3	---	94	---	22	---	850
Jay	---	157	---	---	13	---	72	---	62	---	304
Jefferson	1	---	---	---	1	---	17	---	7	---	26
Jennings	---	118	---	---	1	---	21	---	15	---	155
Johnson	---	260	---	---	1	---	36	---	41	---	338
Knox	---	647	---	2	1	---	55	---	59	1	795
Kosciusko	---	444	---	---	4	---	60	---	72	1	581
La Grange	---	259	---	1	9	---	19	---	52	---	340
Lake	---	301	---	---	6	---	40	---	38	---	385
La Porte	---	522	---	---	6	---	64	---	60	---	652
Lawrence	---	82	---	---	1	---	6	---	12	---	101
Madison	---	421	---	---	4	---	85	---	67	---	577

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested												
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar beets	Wheat	Other 1/	Total		
-----000 Tons-----													
Indiana--Continued													
Marion	---	107	---	---	1	---	30	---	21	---	159		
Marshall	---	345	---	---	3	---	43	---	37	1	429		
Martin	---	73	---	---	1	---	---	---	6	---	80		
Miami	---	397	---	---	6	---	66	---	50	---	519		
Monroe	---	35	---	---	1	---	4	---	2	---	42		
Montgomery	---	656	---	---	8	---	91	---	56	---	811		
Morgan	---	200	---	---	3	---	29	---	25	---	257		
Newton	---	600	---	---	4	---	69	---	16	1	690		
Noble	---	263	---	---	7	---	30	---	44	1	345		
Ohio	---	13	---	---	---	---	1	---	1	---	15		
Orange	1	80	---	---	1	---	8	---	11	---	101		
Owen	---	79	---	---	2	---	16	---	10	---	107		
Parke	---	290	---	---	2	---	48	---	50	1	393		
Perry	---	40	---	---	---	---	5	---	10	---	56		
Pike	---	154	---	---	---	---	18	---	17	---	189		
Porter	---	293	---	---	---	---	44	---	44	---	387		
Posey	---	375	---	---	6	---	56	---	94	---	526		
Pulaski	---	480	---	1	---	---	77	---	35	---	595		
Putnam	---	317	---	---	3	---	45	---	44	---	409		
Randolph	---	273	---	---	10	---	100	---	87	---	470		
Ripley	---	104	---	---	2	---	31	---	24	---	161		
Rush	---	388	---	---	3	---	81	---	58	---	530		
St. Joseph	---	274	---	1	3	---	39	---	51	1	369		
Scott	---	40	---	---	---	---	9	---	14	---	63		
Shelby	---	392	---	---	2	---	67	---	66	---	527		
Spencer	2	161	---	---	1	---	50	---	29	---	245		
Starke	---	292	---	---	1	---	27	---	16	1	337		
Steuben	---	147	---	---	6	---	12	---	25	---	190		
Sullivan	---	286	---	1	---	---	42	---	57	---	386		

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Indiana--Continued											
Switzerland	---	21	---	---	1	---	4	---	4	---	30
Tippecanoe	---	542	---	---	3	---	94	---	68	---	707
Tipton	---	374	---	---	2	---	67	---	45	---	488
Union	---	154	---	---	2	---	19	---	28	---	203
Vanderburgh	---	156	---	---	---	---	26	---	22	---	204
Vermillion	---	186	---	---	1	---	28	---	23	---	238
Vigo	---	369	---	2	1	---	41	---	55	---	468
Wabash	1	385	---	---	6	---	68	---	69	---	529
Warren	---	154	---	---	2	---	81	---	49	---	286
Warrick	---	212	---	---	---	---	27	---	14	---	253
Washington	2	124	---	1	3	---	10	---	29	---	169
Wayne	---	276	---	---	4	---	37	---	41	---	358
Wells	---	269	---	---	7	---	88	---	75	---	439
White	---	623	---	---	6	---	129	---	47	---	805
Whitley	---	204	---	---	11	---	44	---	55	---	314
Unallocated 2/	2	---	---	---	---	---	---	---	---	2	4
State total	19	25181	---	32	312	---	4277	---	3580	15	33416
Iowa											
Adair	---	258	---	---	22	---	55	---	---	---	335
Adams	---	172	---	---	16	---	37	---	1	---	226
Allamakee	---	313	---	---	28	---	15	---	---	---	356
Appanoose	---	108	---	1	8	---	32	---	1	---	150
Audubon	---	326	---	---	19	---	41	---	1	---	387
Benton	---	688	---	---	35	---	125	---	2	---	850
Black Hawk	---	600	---	---	18	---	102	---	2	---	722
Boone	---	715	---	---	13	---	146	---	---	---	874
Bremer	---	375	---	---	21	---	58	---	1	---	455
Buchanan	---	708	---	---	22	---	86	---	1	---	817

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
Iowa--Continued											
Buena Vista	---	691	---	1	8	---	158	---	1	---	859
Butler	---	650	---	---	29	---	163	---	1	---	783
Calhoun	---	564	---	---	13	---	175	---	---	---	752
Carroll	---	540	---	3	24	---	99	---	1	---	667
Cass	---	386	---	---	21	---	70	---	1	---	478
Cedar	---	792	---	1	29	---	93	---	1	---	916
Cerro Gorda	1	673	---	---	15	---	123	---	6	---	818
Cherokee	---	628	---	1	17	---	101	---	1	---	748
Chickasaw	---	396	---	---	24	---	64	---	---	---	484
Clark	---	103	---	1	8	---	26	---	1	---	139
Clay	---	568	---	1	12	---	132	---	1	---	714
Clayton	---	580	---	---	41	---	8	---	1	---	630
Clinton	---	922	---	---	31	---	79	---	1	---	1033
Crawford	---	590	---	1	42	---	78	---	1	---	712
Dallas	---	542	---	---	9	---	96	---	1	---	648
Davis	---	172	---	1	6	---	32	---	3	---	214
Decatur	---	115	---	1	8	---	25	---	1	---	150
Delaware	---	704	---	---	40	---	31	---	1	---	776
Des Moines	---	452	---	---	9	---	71	---	9	---	541
Dickinson	---	360	---	---	8	---	83	---	2	---	453
Dubuque	---	481	---	---	43	---	3	---	---	---	527
Emmet	---	432	---	---	6	---	100	---	1	---	539
Fayette	---	676	---	---	33	---	75	---	1	---	785
Floyd	---	398	---	---	19	---	87	---	1	---	505
Franklin	---	749	---	---	16	---	137	---	---	---	902
Fremont	---	349	---	2	3	---	75	---	10	---	439
Greene	---	658	---	1	12	---	155	---	1	---	827
Grundy	---	683	---	---	17	---	119	---	1	---	820*
Guthrie	---	342	---	3	18	---	61	---	1	---	425

---000 Tons---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar beets	Wheat	Other 1/	
Iowa--Continued											
Hamilton	---	761	---	1	9	---	157	---	---	---	928
Hancock	---	693	---	---	17	---	144	---	1	---	855
Hardin	---	760	---	---	12	---	137	---	1	---	910
Harrison	---	567	---	3	25	---	96	---	13	---	704
Henry	---	497	---	---	11	---	76	---	4	---	588
Howard	---	253	---	---	30	---	50	---	1	---	334
Humboldt	---	554	---	---	10	---	133	---	---	---	697
Ida	---	524	---	---	25	---	59	---	1	---	609
Iowa	---	461	---	1	25	---	44	---	---	---	531
Jackson	---	492	---	---	32	---	9	---	---	---	533
Jasper	---	721	---	---	27	---	85	---	1	---	834
Jefferson	---	280	---	---	12	---	65	---	5	---	362
Johnson	---	506	---	1	23	---	64	---	---	---	594
Jones	---	625	---	---	35	---	46	---	1	---	707
Keokuk	---	551	---	---	15	---	57	---	1	---	624
Kossuth	---	1182	---	---	22	---	315	---	2	---	1521
Lee	---	382	---	---	6	---	54	---	13	---	455
Linn	---	585	---	1	25	---	83	---	1	---	695
Louisa	---	441	---	---	5	---	66	---	4	1	517
Lucas	---	108	---	---	7	---	26	---	---	---	141
Lyon	---	421	---	---	52	---	93	---	1	---	567
Madison	---	255	---	---	11	---	60	---	1	---	327
Mahaska	---	515	---	---	20	---	73	---	---	---	608
Marion	---	294	---	---	16	---	47	---	1	---	358
Marshall	---	771	---	---	16	---	99	---	---	---	886
Mills	---	332	---	---	7	---	77	---	13	---	429
Mitchell	---	407	---	---	22	---	76	---	1	---	506
Monona	---	606	---	1	16	---	99	---	8	---	730
Monroe	---	112	---	---	9	---	22	---	1	---	144

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugarbeets	Wheat	Other 1/	
Iowa--Continued											
Montgomery	---	551	---	---	11	---	73	---	3	---	638
Muscataine	---	473	---	1	14	---	62	---	5	2	557
O'Brien	---	672	---	---	22	---	158	---	1	---	853
Osceola	---	388	---	1	21	---	91	---	---	---	501
Page	---	331	---	1	10	---	77	---	4	---	423
Palo Alto	---	631	---	1	16	---	171	---	2	---	821
Plymouth	1	661	---	1	58	---	88	---	2	22	813
Pochaontas	---	707	---	---	11	---	175	---	---	---	893
Polk	---	487	---	---	6	---	90	---	2	---	585
Pottawattamie	---	787	---	1	19	---	142	---	10	---	959
Poweshiek	---	480	---	---	28	---	66	---	---	---	574
Ringgold	---	166	---	---	12	---	33	---	2	---	213
Sac	---	655	---	---	21	---	103	---	---	---	779
Scott	---	649	---	1	19	---	68	---	1	---	738
Shelby	---	558	---	---	29	---	75	---	1	---	663
Sioux	---	737	---	1	55	---	94	---	2	---	889
Story	---	722	---	1	7	---	145	---	1	---	876
Tama	---	769	---	---	23	---	117	---	---	---	909
Taylor	---	194	---	1	18	---	44	---	2	---	259
Union	---	139	---	---	11	---	27	---	1	---	178
Van Buren	---	---	---	---	7	---	45	---	5	---	57
Wapello	---	260	---	---	7	---	49	---	---	---	316
Warren	---	288	---	1	12	---	47	---	2	---	350
Washington	---	528	---	2	13	---	95	---	1	---	639
Wayne	---	188	---	1	---	---	43	---	---	---	232
Webster	---	728	---	---	9	---	206	---	---	---	943
Winnebago	---	428	---	---	10	---	117	---	4	---	559
Winneshiek	---	406	---	---	48	---	18	---	---	---	472
Woodbury	---	788	---	2	38	---	86	---	2	---	916

---000 Tons---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Iowa--Continued											
Worth	---	504	---	---	13	---	96	---	1	---	614
Wright	---	835	---	---	10	---	190	---	---	---	1035
Unallocated 2/ ...	6	---	---	3	2	---	---	---	---	3	14
State total	7	49825	---	45	1885	---	8460	---	188	8	60418
Kansas											
Allen	---	18	---	20	4	---	33	---	46	---	121
Anderson	1	34	---	19	4	---	39	---	51	---	148
Atchison	---	64	---	39	5	---	21	---	42	---	171
Barber	---	3	---	6	---	---	---	---	260	---	269
Barton	---	24	---	40	1	---	1	---	369	---	435
Bourbon	---	10	---	24	2	---	23	---	25	1	85
Brown	---	186	---	52	6	---	38	---	75	---	357
Butler	2	7	---	64	1	---	6	---	100	---	180
Chase	2	11	---	13	1	---	4	---	41	---	72
Chautauqua	---	1	---	4	1	---	1	---	29	---	36
Cherokee	1	10	---	31	1	---	66	---	70	---	179
Cheyenne	---	121	---	8	---	---	---	5	240	---	374
Clark	---	2	---	5	---	---	---	---	128	---	135
Clay	---	43	---	68	1	---	5	---	194	---	311
Cloud	---	28	---	62	3	---	1	---	219	---	313
Coffey	---	14	---	33	1	---	32	---	59	---	139
Comanche	---	2	---	5	---	---	---	---	124	1	132
Cowley	7	1	---	26	1	---	1	---	242	---	278
Crawford	---	16	---	56	2	---	40	---	36	1	151
Decatur	---	36	---	13	---	---	---	---	241	1	291
Dickinson	2	29	---	92	5	---	1	---	38	---	167
Doniphan	---	214	---	22	1	---	23	---	52	---	312
Douglas	---	140	---	23	2	---	20	---	230	---	415

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Kansas--Continued											
Edwards	2	59	---	30	---	---	1	---	25	---	117
Elk	---	1	---	8	---	---	1	---	214	---	224
Ellis	---	15	---	26	---	---	---	---	304	---	345
Ellsworth	1	4	---	23	1	---	---	---	217	---	246
Finney	1	361	---	87	---	---	1	4	402	---	856
Ford	1	102	---	13	---	---	---	---	376	---	492
Franklin	---	28	---	32	3	---	37	---	53	---	153
Geary	---	7	---	20	3	---	2	---	51	---	83
Gove	---	34	---	37	---	---	---	---	291	---	362
Graham	---	23	---	14	---	---	---	---	190	1	228
Grant	---	191	---	63	---	---	---	7	135	---	396
Gray	---	364	---	49	---	---	2	---	306	---	721
Greenly	---	79	---	9	---	---	---	1	239	---	327
Greenwood	---	6	---	16	1	---	7	---	25	---	55
Hamilton	---	46	---	14	---	---	---	1	180	---	240
Harper	3	1	---	5	1	---	---	---	455	---	465
Harvey	1	21	---	81	1	---	---	---	207	---	311
Haskell	---	478	---	40	---	---	---	5	208	---	731
Hodgeman	1	38	---	13	---	---	---	---	243	---	295
Jackson	---	38	---	25	2	---	9	---	51	---	125
Jefferson	---	66	---	28	3	---	17	---	43	---	157
Jewell	1	37	---	93	4	---	1	---	209	---	345
Johnson	---	43	---	15	1	---	27	---	28	---	114
Kearny	---	118	---	17	---	---	---	4	180	---	319
Kingman	3	5	---	18	1	---	1	---	376	---	404
Kiowa	---	20	---	21	---	---	1	---	157	1	200
Labette	2	11	---	48	3	---	26	---	73	1	164
Lane	---	31	---	14	---	---	---	---	242	---	287
Leavenworth	---	34	---	13	3	---	12	---	32	---	94

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum	Oats :	Rice :	Soybeans:	Sugar- beets :	Wheat :			
	-----000 Tons-----											
Kansas--Continued												
Lincoln	1	6	---	29	2	---	---	---	240	---	---	278
Linn	---	24	---	39	---	---	41	---	34	---	---	138
Logan	---	38	---	14	3	---	---	---	239	---	---	294
Lyon	1	32	---	41	3	---	25	---	76	---	---	178
McPherson	2	26	---	115	2	---	3	---	404	---	---	552
Marion	1	22	---	75	3	---	1	---	238	---	---	340
Marshall	1	24	---	186	2	---	10	---	173	---	---	396
Meade	---	143	---	39	---	---	---	---	134	---	---	316
Miami	---	36	---	33	3	---	32	---	43	---	---	147
Mitchell	---	11	---	49	1	---	2	---	300	---	---	363
Montgomery	1	12	---	26	2	---	10	---	82	---	---	133
Morris	1	13	---	29	4	---	6	---	100	---	---	153
Morton	---	77	---	65	---	---	---	---	72	---	---	214
Nemaha	---	61	---	151	5	---	11	---	96	---	---	324
Neosho	1	14	---	26	3	---	29	---	46	---	---	119
Ness	1	7	---	14	---	---	---	---	301	---	---	323
Norton	1	31	---	22	2	---	---	---	204	1	---	261
Osage	1	14	---	72	3	---	25	---	66	---	---	181
Osbourne	1	16	---	23	---	---	1	---	228	---	---	269
Ottawa	---	11	---	16	2	---	1	---	268	---	---	298
Pawnee	---	---	---	23	---	---	3	---	300	---	---	326
Phillips	---	15	---	33	2	---	---	---	170	---	---	220
Pottawatomie	---	39	---	54	2	---	9	---	72	---	---	176
Pratt	1	56	---	21	---	---	1	---	317	---	---	396
Rawlins	---	35	---	8	---	---	---	---	283	---	---	326
Reno	4	15	---	79	1	---	2	---	558	1	---	660
Republic	1	155	---	86	6	---	4	---	176	---	---	428
Rice	---	18	---	87	---	---	---	---	352	---	---	457
Riley	---	15	---	43	1	---	3	---	66	---	---	128

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Kansas--Continued											
Rooks	---	7	---	12	---	---	---	---	227	---	246
Rush	---	15	---	22	---	---	---	---	279	---	316
Russell	---	4	---	22	1	---	---	---	242	1	270
Saline	1	12	---	32	1	---	1	---	261	---	308
Scott	---	166	---	34	---	---	---	---	272	---	472
Sedgewick	4	34	---	70	1	---	7	---	144	---	260
Seward	---	125	---	52	---	---	---	1	57	---	235
Shawnee	---	56	---	26	1	---	6	---	385	---	474
Sheridan	---	158	---	18	---	---	---	3	237	1	417
Sherman	---	223	---	3	---	---	---	40	299	---	565
Smith	---	20	---	68	3	---	---	---	205	---	296
Stafford	2	62	---	45	---	---	1	---	344	3	457
Stanton	3	297	---	29	---	---	1	8	158	---	496
Stevens	2	172	---	163	---	---	---	---	130	---	467
Summer	10	10	---	17	1	---	3	---	752	---	793
Thomas	1	169	---	12	---	---	---	---	388	---	570
Trego	---	8	---	15	1	---	---	---	219	---	243
Wabaunsee	---	19	---	23	2	---	2	---	48	---	94
Wallace	---	128	---	11	---	---	---	14	115	---	268
Washington	---	35	---	166	4	---	3	---	176	---	384
Wichita	---	299	---	28	---	---	---	---	231	---	558
Wilson	---	11	---	38	1	---	24	---	62	---	136
Woodson	---	6	---	25	1	---	14	---	27	---	73
Wyandotte	---	9	---	2	---	---	1	---	3	---	15
Unallocated 2/	12	1	---	4	6	---	8	---	153	28	212
State total	85	6287	---	4032	144	---	790	93	19475	42	30948

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Kentucky											
Adair	---	35	---	---	---	---	---	---	2	---	37
Allen	1	35	---	---	---	---	2	---	4	---	42
Anderson	---	10	---	---	---	---	---	---	---	---	10
Ballard	---	33	---	5	---	---	32	---	13	---	83
Barren	1	93	---	---	1	---	1	---	3	1	100
Bath	---	23	---	---	---	---	---	---	2	---	25
Bell	---	1	---	---	---	---	---	---	---	---	1
Boone	---	20	---	---	---	---	1	---	---	---	21
Bourbon	1	64	---	---	---	---	1	---	8	---	74
Boyd	---	3	---	---	---	---	---	---	---	---	3
Boyles	---	35	---	1	---	---	---	---	5	1	42
Bracken	---	9	---	---	---	---	---	---	2	---	11
Breathitt	---	5	---	---	---	---	---	---	---	---	5
Breckinridge	---	92	---	---	---	---	9	---	10	1	112
Bullitt	2	15	---	---	---	---	2	---	2	---	21
Butler	---	47	---	3	---	---	12	---	2	---	64
Caldwell	1	61	---	1	---	---	17	---	9	---	89
Calloway	---	61	---	---	---	---	45	---	20	---	126
Campbell	---	5	---	---	---	---	---	---	---	---	5
Carlisle	---	26	---	9	---	---	19	---	5	---	59
Carrell	---	8	---	---	---	---	1	---	1	---	10
Carter	---	11	---	---	---	---	---	---	---	---	11
Casey	---	45	---	---	---	---	---	---	---	---	45
Christian	7	171	---	1	---	---	68	---	86	---	333
Clark	---	37	---	---	---	---	---	---	4	---	41
Clay	---	11	---	---	---	---	---	---	---	---	11
Clinton	---	20	---	---	---	---	---	---	1	---	21
Crittenden	---	48	---	1	---	---	18	---	7	---	74

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Kentucky--Continued											
Cumberland	---	19	---	---	---	---	---	---	---	---	19
Daviess	---	203	---	---	---	---	69	---	28	---	300
Edmondson	---	27	---	---	---	---	1	---	2	---	30
Elliott	---	5	---	---	---	---	---	---	---	---	5
Estill	---	15	---	---	---	---	---	---	---	---	15
Fayette	---	34	---	---	---	---	1	---	2	---	37
Fleming	---	45	---	---	---	---	---	---	3	---	48
Floyd	---	3	---	---	---	---	---	---	---	---	3
Franklin	---	13	---	---	---	---	---	---	1	---	14
Fulton	---	32	---	1	---	---	42	---	9	---	84
Gallatin	---	7	---	---	---	---	1	---	1	---	9
Garrard	---	20	---	---	---	---	---	---	1	1	22
Grant	---	8	---	---	---	---	---	---	1	---	8
Graves	---	108	---	2	---	---	74	---	17	---	201
Grayson	---	56	---	---	---	---	3	---	5	---	64
Green	1	47	---	---	---	---	1	---	2	---	51
Greenup	---	14	---	---	---	---	1	---	---	---	15
Hancock	---	15	---	---	---	---	11	---	3	---	29
Hardin	3	127	---	---	---	---	6	---	9	---	145
Harlan	---	1	---	---	---	---	---	---	---	---	1
Harrison	---	23	---	---	---	---	---	---	4	---	27
Hart	1	58	---	---	---	---	---	---	2	---	61
Henderson	---	266	---	---	---	---	51	---	23	---	340
Henry	---	41	---	---	---	---	1	---	3	---	45
Hickman	1	68	---	1	---	---	42	---	15	---	127
Hopkins	---	108	---	---	---	---	31	---	8	---	147
Jackson	---	11	---	---	---	---	---	---	---	---	11
Jefferson	1	19	---	---	---	---	4	---	1	---	25
Jessamine	---	18	---	---	---	---	---	---	1	---	19

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat			
-----000 Tons-----												
Kentucky--Continued												
Johnson	---	4	---	---	---	---	---	---	---	---	---	4
Kenton	---	6	---	---	---	---	---	---	---	---	---	6
Knott	---	---	---	---	---	---	---	---	---	---	---	---
Knox	---	8	---	---	---	---	---	---	---	---	---	8
Larue	1	65	---	---	---	---	2	---	4	---	---	72
Laurel	---	16	---	---	---	---	---	---	---	---	---	16
Lawrence	---	6	---	---	---	---	---	---	---	---	---	6
Lee	---	5	---	---	---	---	---	---	---	---	---	5
Leslie	---	1	---	---	---	---	---	---	---	---	---	1
Letcher	---	1	---	---	---	---	---	---	---	---	---	1
Lewis	---	20	---	---	---	---	1	---	1	---	---	22
Lincoln	---	52	---	---	---	---	---	---	3	---	---	55
Livingston	---	33	---	---	---	---	13	---	5	---	---	51
Logan	5	142	---	2	1	---	35	---	36	---	---	221
Lyon	---	20	---	---	---	---	4	---	2	---	---	26
McCracken	---	19	---	3	---	---	26	---	7	---	---	55
McCreary	---	1	---	---	---	---	---	---	---	---	---	1
McLean	---	94	---	---	---	---	43	---	11	---	---	148
Madison	---	38	---	---	---	---	---	---	1	---	---	39
Magoffin	---	6	---	---	---	---	---	---	---	---	---	6
Marion	---	54	---	---	---	---	2	---	4	---	---	60
Marshall	---	23	---	1	---	---	20	---	2	---	---	46
Martin	---	---	---	---	---	---	---	---	---	---	---	---
Mason	---	44	---	---	---	---	---	---	6	---	---	50
Meade	1	38	---	2	---	---	2	---	13	---	---	56
Menifee	---	3	---	---	---	---	---	---	---	---	---	3
Mercer	---	36	---	---	---	---	---	---	1	---	---	37
Metcalfe	---	38	---	---	---	---	---	---	1	---	---	39
Monroe	1	40	---	---	---	---	2	---	1	---	---	44

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Kentucky--Continued											
Montgomery	---	20	---	---	---	---	---	---	1	---	21
Morgan	---	13	---	---	---	---	---	---	---	---	13
Muhlenberg	---	60	---	---	---	---	17	---	9	---	86
Nelson	1	61	---	---	---	---	2	---	9	---	73
Nicholas	---	9	---	---	---	---	---	---	1	---	10
Ohio	---	106	---	---	---	---	20	---	5	---	131
Oldham	---	35	---	---	---	---	2	---	1	---	38
Owen	---	9	---	---	---	---	---	---	3	---	12
Owsley	---	7	---	---	---	---	---	---	---	---	7
Pendleton	---	14	---	---	---	---	---	---	---	---	14
Perry	---	1	---	---	---	---	---	---	---	---	1
Pike	---	1	---	---	---	---	---	---	---	---	1
Powell	---	9	---	---	---	---	---	---	---	---	9
Pulaski	1	62	---	---	---	---	---	---	2	---	65
Robertson	---	3	---	---	---	---	---	---	---	---	3
Rockcastle	---	23	---	---	---	---	---	---	---	---	23
Rowan	---	7	---	---	---	---	---	---	---	---	7
Russell	---	32	---	---	---	---	---	---	---	---	32
Scott	---	33	---	---	---	---	---	---	---	---	33
Shelby	1	81	---	---	---	---	2	---	11	---	95
Simpson	7	110	---	1	1	---	30	---	42	---	191
Spencer	---	41	---	---	---	---	1	---	2	---	44
Taylor	1	48	---	---	1	---	1	---	3	---	54
Todd	7	117	---	1	---	---	34	---	46	---	205
Trigg	---	49	---	1	---	---	8	---	10	---	68
Timble	---	14	---	---	---	---	3	---	3	---	20
Union	---	348	---	---	---	---	19	---	26	---	393
Warren	2	78	---	---	1	---	12	---	30	---	123
Washington	---	32	---	1	---	---	1	---	4	---	38

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Kentucky--Continued :											
Wayne	1	24	---	---	---	---	3	---	7	---	35
Webster	---	144	---	---	---	---	31	---	18	---	193
Whitley	---	7	---	---	---	---	---	---	---	---	7
Wolfe	---	8	---	---	---	---	---	---	---	---	8
Woodford	---	18	---	---	---	---	---	---	---	---	18
Unallocated 2/	7	---	---	1	5	---	4	---	---	10	33
State total	56	4872	---	38	10	---	907	---	663	14	6560
Louisiana :											
Acadia	---	4	---	---	---	356	78	---	1	---	439
Allen	---	1	---	---	---	94	43	---	---	---	138
Ascension	---	2	---	---	---	---	2	---	1	55	60
Assumption	---	---	---	---	---	---	2	---	---	121	123
Avoyelles	---	10	1	---	---	12	94	---	---	20	137
Beauregard	---	2	---	---	---	12	18	---	---	---	32
Bienville	---	---	---	---	---	---	---	---	---	---	---
Bossier	---	1	2	1	---	---	6	---	1	---	11
Caddo	---	1	17	3	---	---	8	---	1	---	30
Calcasieu	---	---	---	---	---	178	35	---	---	---	213
Caldwell	---	1	8	---	---	2	5	---	---	---	16
Cameron	---	---	---	---	---	45	5	---	---	---	50
Catahoula	---	4	6	1	---	---	100	---	---	---	111
Claiborne	---	1	---	---	---	---	---	---	---	---	1
Concordia	---	4	4	1	---	---	97	---	1	---	107
DeSoto	---	---	---	---	---	---	2	---	---	---	2
E. Baton Rouge ...	---	2	---	---	---	---	3	---	---	---	5
E. Carroll	---	---	18	---	1	19	96	---	5	---	139
E. Feliciana	---	5	---	---	---	---	9	---	---	---	14
Evangeline	---	5	---	---	---	150	62	---	---	---	217

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Louisiana--Continue											
Franklin	---	4	30	1	---	3	100	---	1	---	139
Grant	---	1	1	---	---	---	9	---	---	---	11
Iberia	---	1	---	---	---	12	2	---	---	147	162
Iberville	---	1	---	---	---	---	9	---	---	86	96
Jackson	---	---	---	---	---	---	---	---	---	---	---
Jefferson	---	---	---	---	---	---	---	---	---	---	---
Jefferson Davis ..	---	---	---	---	---	332	112	---	---	---	444
Lafayette	---	4	---	---	---	33	11	---	---	28	76
LaFourche	---	1	---	---	---	---	2	---	---	118	121
LaSalle	---	---	---	---	---	---	1	---	---	---	1
Lincoln	---	---	---	---	---	---	---	---	---	---	---
Livingston	---	---	---	---	---	3	---	---	---	---	3
Madison	---	3	8	1	---	---	106	---	1	---	119
Morehouse	---	1	47	4	---	115	90	---	2	---	259
Natchitoches	---	1	10	---	---	---	21	---	---	---	32
Orleans	---	---	---	---	---	---	---	---	---	---	---
Quachita	---	1	12	---	---	3	12	---	---	---	28
Plaquemines	---	---	---	---	---	---	---	---	---	---	---
Pointe Coupee	---	8	---	1	---	3	34	---	1	28	75
Rapides	---	16	6	1	---	4	31	---	1	16	75
Red River	---	2	1	5	---	---	10	---	1	---	19
Richland	---	1	49	---	---	22	69	---	---	---	141
Sabine	---	1	---	---	---	---	1	---	---	---	2
St Bernard	---	---	---	---	---	---	---	---	---	---	---
St. Charles	---	---	---	---	---	---	---	---	---	3	3
St. Helena	---	1	---	---	---	---	---	---	---	---	1
St. James	---	1	---	---	---	---	2	---	---	91	94
St. John The	---	---	---	---	---	---	---	---	---	---	---
Baptist..	---	---	---	---	---	---	2	---	---	33	35

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Louisiana--Continue											
St. Landry	---	22	1	1	---	67	95	---	---	---	186
St. Martin	---	6	---	---	---	12	7	---	---	69	94
St. Mary	---	---	---	---	---	3	2	---	---	141	146
St. Tammany	---	1	---	---	---	---	1	---	---	---	2
Tangipahoa	---	1	---	---	---	---	2	---	---	---	3
Tensas	---	2	14	1	1	3	66	---	3	---	90
Terra Bonne	---	1	---	---	---	---	1	---	---	52	54
Union	---	1	---	---	---	---	---	---	---	---	1
Vermilion	---	4	---	---	---	387	23	---	---	15	429
Vernon	---	1	---	---	---	---	1	---	---	---	2
Washington	---	5	---	1	---	---	2	---	---	---	8
Webster	---	1	---	---	---	---	---	---	---	---	1
West Baton Rouge ..	---	1	---	---	---	---	3	---	---	47	51
West Carroll	---	1	14	---	2	7	60	---	---	---	84
West Feliciana	---	4	---	---	---	---	5	---	---	---	9
Winn	---	---	---	---	---	---	---	---	---	---	---
Unallocated 2/ ...	---	---	---	4	2	3	2	---	2	1	14
State total	---	142	249	26	6	1880	1559	---	22	1071	4955
Maine											
Androscoggin	---	---	---	---	---	---	---	---	---	---	---
Aroostook	1	---	---	---	51	---	---	---	---	---	52
Cumberland	---	---	---	---	---	---	---	---	---	---	---
Franklin	---	---	---	---	---	---	---	---	---	---	---
Hancock	---	---	---	---	---	---	---	---	---	---	---
Kennebec	---	1	---	---	---	---	---	---	---	---	1
Knox	---	---	---	---	---	---	---	---	---	---	---
Lincoln	---	---	---	---	---	---	---	---	---	---	---
Oxford	---	4	---	---	---	---	---	---	---	---	4

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Maine--Continued											
Penobscot	---	5	---	---	2	---	---	---	---	---	7
Piscataquis	---	1	---	---	---	---	---	---	---	---	1
Sagadahoc	---	---	---	---	---	---	---	---	---	---	---
Somerset	---	3	---	---	---	---	---	---	---	---	3
Waldo	---	1	---	---	---	---	---	---	---	---	1
Washington	---	---	---	---	---	---	---	---	---	---	---
York	---	---	---	---	---	---	---	---	---	---	---
Unallocated 2/ ...	---	---	---	---	---	---	---	---	---	---	---
State total	1	15	---	---	53	---	---	---	---	---	69
Maryland											
Allegheeny	1	5	---	---	---	---	---	---	---	---	6
Anne Arundel	---	35	---	---	---	---	1	---	3	---	39
Baltimore	10	83	---	---	1	---	2	---	11	1	108
Calvert	1	30	---	---	---	---	2	---	2	---	35
Caroline	24	121	---	---	---	---	49	---	24	2	220
Carroll	23	210	---	---	4	---	2	---	26	2	267
Cecil	6	90	---	---	1	---	10	---	16	1	124
Charles	---	37	---	---	---	---	4	---	5	1	47
Dorchester	29	191	---	---	---	---	52	---	21	1	294
Frederick	20	147	---	---	6	---	---	---	26	3	202
Garrett	1	11	---	---	9	---	---	---	1	---	22
Harford	6	88	---	---	1	---	2	---	8	---	105
Howard	6	44	---	---	---	---	---	---	9	---	59
Kent	7	213	---	---	---	---	25	---	27	1	273
Montgomery	5	81	---	---	1	---	1	---	20	---	108
Prince Georges ...	---	20	---	---	---	---	2	---	3	---	25
Queen Annes	12	226	---	---	1	---	36	---	42	1	318
St. Marys	3	46	---	---	1	---	9	---	8	---	67

See footnotes at end of table.

Continued--

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Maryland--Continue											
Somerset	3	80	---	---	---	---	19	---	2	2	106
Talbot	7	158	---	---	---	---	41	---	23	1	230
Washington	16	73	---	---	5	---	---	---	10	1	105
Wilcomico	6	127	---	---	---	---	32	---	4	1	170
Worcester	4	167	---	---	---	---	29	---	2	1	203
Unallocated 2/	1	1	---	---	2	---	---	---	1	---	5
State total	191	2284	---	---	32	---	318	---	294	19	3138
Massachusetts											
Barnstable	---	---	---	---	---	---	---	---	---	---	---
Berkshire	---	1	---	---	---	---	---	---	---	---	1
Bristol	---	---	---	---	---	---	---	---	---	---	---
Dukes	---	---	---	---	---	---	---	---	---	---	---
Essex	---	---	---	---	---	---	---	---	---	---	---
Franklin	---	2	---	---	---	---	---	---	---	---	2
Hampden	---	1	---	---	---	---	---	---	---	---	1
Hampshire	---	5	---	---	---	---	---	---	---	---	5
Middlesex	---	---	---	---	---	---	---	---	---	---	---
Nantucket	---	---	---	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---	---	---	---
Plymouth	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---
Worcester	---	2	---	---	---	---	---	---	---	---	2
Unallocated 2/	---	---	---	---	---	---	---	---	---	---	---
State total	---	11	---	---	---	---	---	---	---	---	11

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
Michigan											
Alcona	---	2	---	---	2	---	---	---	2	---	6
Alger	---	---	---	---	1	---	---	---	---	---	1
Allegan	1	257	---	---	7	---	---	---	35	1	301
Alpena	1	8	---	---	5	---	---	---	5	---	19
Antrim	---	10	---	---	1	---	---	---	1	---	12
Arenic	---	38	---	---	6	---	2	5	10	9	70
Baraga	---	---	---	---	---	---	---	---	---	---	---
Barry	1	101	---	---	5	---	1	---	46	1	155
Bay	---	107	---	---	4	---	4	47	50	46	258
Benzle	---	2	---	---	---	---	---	---	---	---	2
Berrien	1	141	---	---	3	---	18	---	32	1	196
Branch	---	279	---	---	9	---	19	---	46	1	354
Calhoun	1	225	---	---	16	---	7	---	71	1	321
Cass	2	184	---	---	5	---	14	---	29	2	236
Charlevoix	---	10	---	---	1	---	---	---	---	---	11
Cheboygan	---	1	---	---	---	---	---	---	---	---	2
Chippewa	1	---	---	---	5	---	---	---	1	---	7
Clare	---	15	---	---	2	---	---	---	3	1	21
Clinton	---	197	---	---	14	---	29	1	83	7	331
Crawford	---	---	---	---	---	---	---	---	---	---	---
Delta	1	2	---	---	6	---	---	---	---	---	9
Dickinson	1	1	---	---	2	---	---	---	---	---	4
Eaton	---	172	---	---	7	---	9	---	75	14	277
Emmet	---	6	---	---	2	---	---	---	---	---	8
Genesee	---	109	---	---	6	---	9	---	41	2	167
Gladwin	---	23	---	---	4	---	---	1	6	2	36
Gogebic	---	---	---	---	---	---	---	---	---	---	---
Grand Traverse	---	16	---	---	1	---	---	---	2	1	20
Gratiot	---	277	---	---	10	---	28	14	82	56	467
Hillsdale	---	252	---	---	10	---	24	---	45	---	331
Houghton	---	---	---	---	2	---	---	---	---	---	2
Huron	2	395	---	---	39	---	3	44	145	85	713

See footnotes at end of table.

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar beets	Wheat	Other 1/	
Michigan--Cont.											
Ingram	1	218			8		7		46	2	282
Ionia	1	211			17		5		68	9	311
Iosco		10			2				3		15
Iron					2						2
Isabella		149			10		20		36	13	228
Jackson		184			8				30		222
Kalamazoo	1	163			9		6		49	1	229
Kalkaska		2								2	4
Kent		137			7				32	1	177
Keweenaw											
Lake		1			1				1		3
LaPeer		150			9		1		41	5	207
Leelanau		6			1				1	1	9
Lenawee		430			21		91	3	134	1	680
Livingston		85			4				20		109
Luce											
Mackinac					2						2
Macomb		67			5		9		22	1	104
Manistee		4							2	1	7
Marquette					1						1
Mason		25			3				11		39
Mecosta		46			4				10	2	62
Menominee	7	11			9		10		1		38
Midland		68			3		87	6	15	12	191
Missaukee		24			6				3		33
Monroe		214			12			2	88		316
Montcalm		128			8		3		44	21	204
Montmorency		2			2				1		5
Muskegon		33			2				7		42

---000 Tons---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Michigan--Cont.											
Newago	---	40	---	---	3	---	---	---	9	1	53
Oakland	---	37	---	---	3	---	---	---	10	---	50
Oceana	---	19	---	---	1	---	---	---	7	2	29
Ogemaw	---	19	---	---	5	---	---	---	5	---	29
Ontonagon	---	---	---	---	2	---	---	---	---	---	2
Osceola	---	15	---	---	4	---	---	---	3	---	22
Oscoda	---	2	---	---	---	---	---	---	---	---	2
Otsego	---	2	---	---	1	---	---	---	---	---	3
Ottawa	1	126	---	---	6	---	---	---	1	1	135
Presque Isle ..	1	3	---	---	9	---	---	---	20	---	33
Roscommon	---	---	---	---	---	---	---	---	2	---	2
Saginaw	---	187	---	---	9	---	69	48	---	1	314
St. Clair	---	109	---	---	13	---	10	2	118	51	303
St. Joseph	---	212	---	---	4	---	---	---	44	6	266
Sanilac	---	228	---	---	46	---	5	17	63	---	359
Schoolcraft	---	---	---	---	1	---	---	---	127	38	166
Shiawassee	---	152	---	---	15	---	34	---	---	1	202
Tuscola	12	287	---	---	19	---	5	55	62	7	447
Van Buren	1	129	---	---	2	---	4	---	115	76	327
Washtenaw	1	194	---	---	22	---	10	---	12	1	240
Wayne	---	2	---	---	1	---	9	---	63	1	76
Wexford	---	6	---	---	1	---	---	---	9	---	16
Unallocated 2/	9	7	---	---	---	---	3	---	6	8	31
State total	47	6974	---	---	497	---	555	246	2151	496	10966
Minnesota											
Aitkin	---	1	---	---	3	---	---	---	---	---	4
Anoka	---	34	---	---	2	---	2	---	---	3	41
Becker	35	22	---	---	43	---	1	---	70	3	171

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum	Oats :	Rice :	Soybeans :	Sugar- beets	Wheat :			
-----000 Tons-----												
Minnesota--Cont.												
Beltrami	1	1	---	---	11	---	---	---	2	---	---	15
Benton	---	47	---	---	22	---	1	---	---	2	---	72
Big Stone	17	97	---	---	34	---	14	1	81	14	---	258
Blue Earth	---	616	---	2	11	---	175	---	15	---	---	819
Brown	---	401	---	---	27	---	103	---	14	---	---	545
Carlton	---	---	---	---	4	---	---	---	---	---	---	4
Carver	---	186	---	---	21	---	10	---	12	---	---	229
Cass	---	3	---	---	2	---	---	---	1	---	---	6
Chippewa	5	353	---	---	27	---	58	38	79	4	---	564
Chisago	---	99	---	---	10	---	3	---	1	2	---	115
Clay	51	20	---	---	14	---	10	40	142	8	---	285
Clearwater	4	2	---	---	25	---	---	---	9	1	---	41
Cook	---	---	---	---	---	---	---	---	---	---	---	---
Cottonwood	---	464	---	---	29	---	132	---	7	---	---	632
Crow Wing	---	4	---	---	8	---	---	---	---	---	---	12
Dakota	2	342	---	---	30	---	35	---	21	---	---	430
Dodge	1	316	---	---	23	---	41	---	6	---	---	387
Douglas	37	64	---	---	68	---	3	1	45	3	---	221
Fairbault	---	720	---	---	15	---	189	3	4	---	---	931
Fillmore	1	514	---	---	47	---	32	---	2	---	---	596
Freeborn	---	669	---	---	19	---	123	---	4	---	---	815
Goodhue	4	457	---	---	44	---	42	---	25	---	---	572
Grant	74	76	---	---	33	---	22	7	171	4	---	387
Hennepin	---	112	---	---	9	---	8	---	2	---	---	131
Houston	1	230	---	---	20	---	5	---	1	---	---	257
Hubbard	1	6	---	---	5	---	---	---	2	---	---	14
Isanti	---	78	---	---	9	---	6	---	---	8	---	101
Itasca	---	2	---	---	4	---	---	---	---	---	---	6
Jackson	---	759	---	---	18	---	189	---	2	---	---	968

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont..

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
Minnesota--Cont.											
Kanabec	1	30	---	---	10	---	1	---	1	---	43
Kandiyohi	3	445	---	---	43	---	63	6	72	---	632
Kittson	130	1	---	---	23	---	---	18	448	5	625
Koochiching	1	---	---	---	3	---	---	---	4	---	8
Lac Qui Parle ..	1	206	---	---	45	---	60	---	114	11	437
Lake	1	---	---	---	---	---	---	---	---	---	1
Lake of the Woods ..	---	---	---	---	9	---	---	---	19	2	30
Les Meur	---	309	---	---	13	---	47	---	32	---	401
Lincoln	6	147	---	---	59	---	13	---	18	21	264
Lyon	2	181	---	---	45	---	60	---	25	5	318
Mahnomen	33	6	---	---	32	---	---	---	48	4	123
Marshall	168	1	---	---	77	---	---	28	552	23	849
Martin	---	835	---	---	14	---	198	---	1	---	1048
McLeod	1	324	---	---	38	---	49	---	29	---	441
Neeker	1	344	---	---	27	---	52	---	30	---	454
Mille Lacs	---	40	---	---	14	---	---	---	1	---	55
Morrison	1	69	---	---	29	---	1	---	1	5	106
Mower	---	517	---	---	33	---	115	---	2	1	668
Murphy	---	324	---	---	52	---	77	---	4	8	465
Nicollet	---	387	---	---	17	---	77	---	37	---	518
Nobles	1	593	---	---	39	---	150	---	3	---	786
Norman	75	14	---	---	35	---	2	25	200	3	354
Olmstead	1	379	---	---	35	---	24	---	10	---	449
Otter Tail	62	128	---	---	132	---	15	---	113	9	459
Pennington	43	3	---	---	28	---	---	---	111	5	190
Pine	---	26	---	---	12	---	---	---	---	---	38
Pipestone	1	270	---	---	47	---	28	---	3	24	373
Polk	348	20	---	---	53	---	1	---	905	13	1340
Pope	13	167	---	---	61	---	11	1	59	9	321

Continued--

See footnotes at end of table.

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Minnesota--Cont.											
Ramsey	---	1	---	---	---	---	---	---	---	---	1
Red Lake	33	3	---	---	23	---	---	---	120	3	182
Redwood	1	481	---	---	34	---	180	4	49	2	751
Renville	1	779	---	---	39	---	160	47	114	9	1149
Rice	---	392	---	---	20	---	40	119	11	---	582
Rock	---	402	---	---	42	---	64	---	2	1	511
Rosenu	10	---	---	---	47	---	---	---	131	45	233
St. Louis	1	---	---	---	3	---	---	---	1	---	5
Scott	1	160	---	---	14	---	19	---	5	---	199
Sherburne	---	52	---	---	4	---	5	---	5	17	83
Sibley	---	425	---	---	33	---	105	---	60	---	623
Stearns	5	225	---	---	137	---	7	1	10	8	393
Steele	---	374	---	---	20	---	49	---	7	---	450
Stevens	39	325	---	---	49	---	25	---	145	15	598
Swift	9	438	---	---	34	---	67	8	134	12	702
Todd	2	89	---	---	62	---	2	---	6	---	161
Traverse	53	61	---	---	23	---	23	8	158	13	339
Wabasha	2	233	---	---	33	---	11	---	5	---	284
Wadena	---	98	---	---	10	---	---	---	2	1	111
Waseca	---	19	---	---	10	---	5	---	9	---	43
Washington	1	461	---	1	6	---	77	---	12	---	558
Watonwan	---	384	---	---	11	---	94	---	4	1	494
Wilkin	119	11	---	---	17	---	18	35	233	2	435
Winona	1	227	---	---	32	---	5	---	4	---	269
Wright	1	226	---	---	26	---	27	---	9	---	289
Yellow Medicine	1	267	---	---	30	---	77	---	77	6	458
Unallocated 2/	8	---	---	5	3	---	6	---	2	45	66
State total ..	1415	18594	---	8	2424	---	3314	390	4875	380	31400

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat			
-----000 Tons-----												
Mississippi												
Adams		1	1			2	13		2			19
Alcorn		7	1				31		2			41
Amite		3					8					11
Attala		5	5				8					18
Benton		3	3				19					25
Bohivar		2	48			181	161		22			414
Calhoun		3	7	1			35		2			48
Carroll		2	8	1		2	19		3			35
Chickasaw		1	2	1			34		2			40
Choctaw		4					5					9
Claiborne		3	1				11		1			16
Clarke		3					4					7
Clay		3					27		8			38
Contloma		1	51			27	69		32	4		184
Copiah		2	1	1	1		8		1			14
Covington		2	1	1	8		9		1			22
DeSoto		6	12				42		4			64
Forrest		1			1		6					8
Franklin		1					5		1			7
George		2					12		1			15
Greene		3					3		1			7
Grenada		2	5				20		2			29
Hancock		1					2					3
Harrison		1				5	3					9
Hinds		9	10	2	1		22		2			46
Holmes		4	41	1	1	2	39		2			90
Humphreys			43			18	104		8			173
Issaquena			7			2	56		2			67
Itawamba		6	1				16					23

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Mississippi--Cont.											
Jackson	---	1	---	---	---	---	5	---	1	---	7
Jasper	---	3	---	---	---	---	1	---	---	---	4
Jefferson	---	2	---	---	---	---	15	---	2	---	19
Jefferson Davis	---	5	---	---	1	---	10	---	1	---	17
Jones	---	4	---	1	2	---	4	---	---	---	11
Kemper	---	7	---	---	---	---	6	---	1	---	14
Lafayette	---	4	2	---	---	---	9	---	---	---	15
Lamar	---	3	---	---	---	---	4	---	1	---	8
Lauderdale	---	2	---	---	---	---	1	---	---	---	3
Lawrence	---	3	---	---	---	---	7	---	---	---	10
Leake	---	6	2	---	---	---	---	---	---	---	8
Lee	---	2	2	---	---	---	54	---	---	---	58
Leflore	---	---	63	---	1	55	131	---	5	---	255
Lincoln	---	2	---	---	---	---	3	---	---	---	5
Lowndes	---	4	4	---	1	---	33	---	3	---	45
Madison	---	3	22	3	1	---	24	---	1	---	54
Marion	---	3	---	---	1	---	6	---	---	---	10
Marshall	---	4	10	1	---	---	22	---	1	---	38
Monroe	---	5	8	---	1	---	48	---	6	---	68
Montgomery	---	5	4	1	---	---	9	---	---	---	19
Neshoba	---	4	---	---	---	---	3	---	1	---	8
Newton	---	3	---	1	---	---	4	---	---	---	8
Noxubee	---	4	2	---	1	---	45	---	2	---	54
Oktibbeha	---	2	---	1	---	---	13	---	2	---	18
Panola	---	3	14	1	---	2	82	---	3	---	105
Pearl Rivier ..	---	2	---	1	---	---	5	---	---	---	8
Perry	---	3	---	1	---	---	4	---	---	---	8
Pike	---	2	---	1	1	---	7	---	---	---	11
Pontotoc	---	3	2	1	---	---	35	---	---	---	41

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum	Oats :	Rice :	Soybeans:	Sugar- beets	Wheat :			
-----000 Tons-----												
Mississippi--Cont.												
Prentiss	---	7	1	1	---	---	41	---	---	---	---	50
Quitman	---	1	23	---	---	14	93	---	16	---	---	147
Rankin	---	2	6	2	---	---	12	---	---	---	---	22
Scott	---	3	2	---	---	---	4	---	---	---	---	9
Sharkey	---	1	31	---	---	12	119	---	7	---	---	170
Simpson	---	3	---	---	1	---	7	---	---	---	---	11
Smith	---	2	---	---	---	---	5	---	---	---	---	7
Stone	---	1	---	---	---	---	3	---	---	---	---	4
Sunflower	---	1	80	---	2	58	105	---	18	1	---	265
Tallahatchie ..	---	16	45	---	---	18	94	---	6	---	---	179
Tate	---	4	7	1	---	2	34	---	3	---	---	51
Tipah	---	12	1	---	---	---	19	---	---	---	---	32
Tishomingo	---	4	1	---	---	---	7	---	1	---	---	13
Tunica	---	---	25	1	---	25	138	---	21	1	---	211
Union	---	6	3	1	---	2	32	---	---	---	---	44
Walthall	---	5	---	1	---	---	7	---	1	1	---	15
Warren	---	1	4	---	---	---	20	---	2	---	---	27
Washington	---	---	72	---	---	71	148	---	21	1	---	313
Wayne	---	8	---	---	---	---	2	---	---	---	---	10
Webster	---	4	4	---	---	---	15	---	1	---	---	24
Wilkinson	---	2	---	---	1	---	9	---	---	---	---	12
Winston	---	8	2	---	---	---	3	---	2	---	---	15
Yalobusha	---	3	4	---	---	---	14	---	3	---	---	24
Yazoo	---	2	50	1	1	2	137	---	8	---	---	201
Unallocated 2/	---	---	5	8	---	---	1	---	7	5	---	26
State total ..	---	271	749	37	26	500	2450	---	246	13	---	4293

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum	Oats :	Rice :	Soybeans:	Sugar- beets	Wheat :			
-----000 Tons-----												
Missouri												
Adair	---	68	---	1	2	---	31	---	11	---	---	113
Andrew	---	106	---	3	2	---	53	---	11	---	---	175
Atchison	---	315	---	3	1	---	70	---	12	---	---	401
Andrain	---	151	---	28	2	---	107	---	58	---	---	346
Barry	---	6	---	1	---	---	1	---	8	---	4	20
Barton	1	41	---	32	1	---	61	---	54	---	5	195
Bates	1	96	---	41	3	---	54	---	44	---	9	248
Benton	---	23	---	4	1	---	13	---	15	---	1	57
Bollinger	---	23	---	3	---	---	16	---	8	---	---	50
Boone	---	75	---	6	1	---	30	---	21	---	---	133
Buchanan	---	96	---	12	1	---	47	---	62	---	---	218
Butler	---	41	---	36	---	31	127	---	45	---	---	283
Caldwell	---	57	---	4	2	---	31	---	16	---	---	110
Callaway	---	96	---	5	---	---	28	---	28	---	---	157
Camden	---	4	---	---	---	---	---	---	1	---	---	5
CapeGirardeau ..	2	115	---	8	---	---	46	---	26	---	---	197
Carroll	---	164	---	9	1	---	103	---	71	---	---	348
Carter	---	1	---	---	---	---	---	---	---	---	---	1
Cass	---	88	---	21	2	---	31	---	20	---	2	164
Cedar	---	10	---	4	---	---	4	---	11	---	2	31
Charitom	---	156	---	6	1	---	93	---	36	---	---	292
Christian	---	6	---	1	---	---	---	---	6	---	1	14
Clark	---	130	---	1	1	---	49	---	15	---	---	196
Clay	---	45	---	5	---	---	18	---	19	---	---	87
Clinton	---	66	---	7	1	---	29	---	11	---	---	114
Cole	1	37	---	3	---	---	3	---	13	---	---	56
Cooper	---	138	---	15	1	---	29	---	34	---	1	218
Crawford	---	8	---	---	---	---	---	---	5	---	---	13
Dade	---	13	---	5	---	---	19	---	24	---	4	65

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat			
Missouri--Cont.												
Dallas	---	4	---	1	---	---	1	---	7	---	1	14
Davies	---	119	---	7	3	---	57	---	29	---	---	215
DeKalb	---	95	---	3	2	---	28	---	14	---	---	142
Dent	---	5	---	---	---	---	---	---	2	---	---	7
Douglas	---	2	---	---	---	---	---	---	1	---	---	3
Dunklin	---	20	39	9	---	---	201	---	158	---	2	429
Franklin	1	90	---	8	---	---	7	---	37	---	---	143
Gasconade	---	31	---	4	---	---	3	---	11	---	---	49
Gentry	---	123	---	4	2	---	39	---	15	---	---	183
Greene	---	14	---	2	---	---	---	---	8	---	2	26
Grundy	---	89	---	1	2	---	41	---	5	---	---	138
Harrison	---	134	---	3	4	---	35	---	12	---	1	189
Henry	---	57	---	28	1	---	34	---	37	---	10	167
Hickory	---	7	---	2	---	---	2	---	7	---	1	19
Holt	---	306	---	1	1	---	---	---	25	---	---	333
Howard	---	89	---	3	---	---	22	---	27	---	---	141
Howell	---	2	---	1	---	---	---	---	3	---	---	6
Iron	---	1	---	---	---	---	---	---	---	---	---	1
Jackson	---	62	---	8	1	---	20	---	15	---	---	106
Jasper	---	27	---	21	1	---	96	---	39	---	3	187
Jefferson	2	18	---	1	---	---	4	---	9	---	---	34
Johnson	---	86	---	29	2	---	36	---	31	---	4	188
Knox	---	99	---	2	3	---	55	---	17	---	---	176
Laclede	---	5	---	1	---	---	---	---	4	---	---	10
Lafayette	---	292	---	6	2	---	57	---	28	---	---	385
Lawrence	2	19	---	6	2	---	4	---	17	---	6	56
Lewis	---	133	---	1	1	---	52	---	14	---	---	201
Lincoln	---	188	---	3	1	---	34	---	47	---	---	273
Linn	---	74	---	4	4	---	45	---	10	---	---	137

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
-----000 Tons-----												
Missouri--Cont.												
Livingston	---	84	---	5	1	---	78	---	14	---	182	
McDonald	---	---	---	---	---	---	---	---	2	1	3	
Macon	---	95	---	1	3	---	49	---	20	---	168	
Madison	---	4	---	1	---	---	---	---	2	---	7	
Maries	---	8	---	2	---	---	---	---	6	---	16	
Marion	---	112	---	2	1	---	52	---	27	---	194	
Mercer	---	65	---	1	1	---	18	---	5	---	90	
Miller	---	18	---	1	---	---	1	---	5	---	25	
Mississippi	---	124	6	13	---	---	184	---	84	4	415	
Moniteau	---	43	---	15	---	---	8	---	17	1	84	
Monroe	---	98	---	12	1	---	76	---	27	---	214	
Montgomery	---	122	---	5	1	---	39	---	71	---	238	
Morgan	---	19	---	6	---	---	5	---	13	1	44	
New Madrid	---	42	45	10	---	2	286	---	117	---	502	
Newton	---	10	---	4	1	---	5	---	20	2	42	
Nodaway	---	318	---	4	5	---	86	---	10	1	424	
Oregon	---	2	---	1	---	---	---	---	5	---	8	
Osage	---	34	---	4	---	---	3	---	11	---	52	
Ozark	---	1	---	---	---	---	---	---	1	---	2	
Pemiscot	---	27	27	1	---	3	190	---	61	---	309	
Perry	1	112	---	3	---	---	16	---	36	---	168	
Pettis	---	127	---	25	2	---	51	---	38	1	244	
Phelps	---	5	---	---	---	---	---	---	2	---	7	
Pike	---	156	---	7	1	---	45	---	43	---	252	
Platte	---	64	---	22	---	---	31	---	66	---	183	
Polk	---	6	---	2	---	---	1	---	9	2	20	
Pulaski	---	6	---	---	---	---	---	---	3	---	9	
Putnam	---	45	---	1	2	---	16	---	2	---	66	
Ralls	---	94	---	4	---	---	55	---	27	---	180	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans :	Sugar- beets :	Wheat :				
-----000 Tons-----													
Missouri--Cont.													
Randolph	---	49	---	2	1	---	36	---	14	---		---	102
Ray	---	121	---	5	---	---	42	---	53	---		---	221
Reynolds	---	3	---	---	---	---	---	---	1	---		---	4
Ripley	---	4	---	4	1	3	10	---	3	---		---	25
St. Charles ...	---	146	---	2	---	---	45	---	78	---		---	271
St. Clair	1	27	---	14	1	---	18	---	43	6		---	110
St. Francois ..	---	13	---	1	---	---	---	---	2	---		---	16
St. Louis	---	34	---	1	---	---	9	---	37	---		---	81
St. Genevieve .	1	73	---	3	---	---	4	---	14	---		---	95
Saline	---	384	---	9	1	---	91	---	41	---		---	526
Schuyler	---	31	---	1	2	---	13	---	5	---		---	52
Scotland	---	90	3	1	3	1	43	---	15	---		---	156
Scott	---	73	---	12	---	---	123	---	92	5		---	305
Shannon	---	1	---	---	---	---	---	---	1	---		---	2
Shelby	---	100	15	2	2	17	58	---	19	---		---	213
Stoddard	---	123	---	44	---	---	214	---	93	---		---	474
Stone	---	1	---	---	---	---	---	---	1	---		---	2
Sullivan	---	58	---	1	2	---	16	---	4	---		---	81
Taney	---	1	---	---	---	---	---	---	---	1		---	2
Texas	---	2	---	---	---	---	---	---	2	1		---	5
Vernon	---	76	---	53	2	---	52	---	73	3		---	259
Warren	---	68	---	2	---	---	15	---	30	---		---	115
Washington	---	3	---	---	---	---	---	---	1	---		---	4
Wayne	---	8	---	1	---	---	3	---	3	---		---	15
Webster	---	11	---	---	---	---	---	---	1	---		---	12
Worth	---	49	---	1	1	---	16	---	4	---		---	71
Wright	---	3	---	---	---	---	---	---	2	---		---	5
Unallocated 2/..	4	4	3	7	4	---	---	---	2	12		---	38
State total ..	18	7763	141	741	94	57	4069	---	2692	100		---	15675

---000 Tons---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other	1/	
-----000 Tons-----												
Montana												
Beaverhead	18								18			36
Big Horn	17	2			3			3	131	1		157
Blaine	80				7			1	243			331
Broadwater	38				4			4	32			78
Carbon	17				1			15	34	3		70
Carter	10				6			7	20			43
Cascade	61				2				312			375
Chouteau	81				8				1197	1		1287
Custer	20	6			4			5	21			56
Daniels	70				2				258	4		334
Dawson	43	3			11			7	202	4		270
Deer Lodge	3				1							4
Fallow	16				7				95			118
Fergus	86				6				309			401
Flathead	54	1							43			98
Gallatin	108				3				97			208
Garfield	24				7				129			160
Glacier	202				4				140			346
Golden Valley ..	3				3				38			44
Granite	2								2			4
Hill	99				9				984			1092
Jefferson	5								12			17
Judith Basin ..	40				15				105			160
Lake	24				2				34			60
Lewis & Clark ..	15				5				17			37
Liberty	80				1				327			408
Lincoln												
Madison	22				2				33			57
McCone	26				14				274	1		315

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Wheat	Other	Total	
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets						
-----000 Tons-----														
Montana--Cont.														
Meagher	14									9				23
Mineral	1									1				2
Missoula	3				2									14
Mussellshell ..	3				2									40
Petroleum	4				1					6				11
Phillips	53				8									230
Pondera	218				6					169				647
Powder River ..	2				2					56				60
Powell	10				2					2				14
Prairie	9				6					78	1			94
Ravalli	12	1			1				1	3				18
Richland	57				31									357
Roosevelt	45	1			11				28	235	6			515
Rosebud	14	1			7					456	2			89
Sanders	6	11			1				3	63	1			25
Sheridan	29				13					7				478
Silver Bow					1					435	1			1
Stillwater	16				3									189
Sweet Grass	12				2				3	167				24
Teton	154				2					10				466
Toole	180				2					310				548
Treasure	5				1					366				34
Valley	48	2			12				10	17	1			423
Wheatland	13				8					361				43
Wilbaux	18				2					22				105
Yellowstone	44				4					85				251
Park	12	2			1				29	173	1			54
Unallocated 2/	4	11								39				36
State total ..	2250	41			258				116	8660	33			11357

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Tons
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	Total	
Nebraska												
Adams	---	479	---	79	2	---	5	---	82	---	647	
Antelope	1	429	---	3	16	---	17	---	4	21	491	
Arthur	---	1	---	---	---	---	---	---	---	---	1	
Banner	1	3	---	---	2	---	---	1	145	3	155	
Blaine	---	14	---	---	---	---	---	---	---	---	14	
Boone	1	384	---	19	28	---	7	---	8	1	448	
Box Butte	3	58	---	---	4	---	---	31	185	26	307	
Boyd	4	47	---	12	16	---	---	---	3	---	82	
Brown	---	133	---	1	1	---	---	---	---	---	135	
Buffalo	---	763	---	29	2	---	13	---	35	---	842	
Burt	---	420	---	8	12	---	91	---	439	---	970	
Butler	---	450	---	98	13	---	30	---	75	---	666	
Cass	---	210	---	66	3	---	51	---	80	---	410	
Cedar	4	203	---	5	59	---	29	---	1	---	301	
Chase	---	344	---	5	---	---	---	16	118	9	492	
Cherry	---	36	---	---	1	---	---	---	1	---	38	
Cheyenne	1	20	---	---	5	---	---	1	54	6	87	
Clay	---	528	---	115	1	---	4	---	24	---	672	
Colfax	---	281	---	8	17	---	39	---	5	---	350	
Cuming	---	396	---	3	30	---	80	---	75	---	584	
Custer	1	537	---	4	5	---	---	---	1	5	553	
Dakota	---	191	---	1	14	---	28	---	83	---	317	
Daves	4	4	---	---	6	---	---	---	18	---	32	
Dawson	---	825	---	4	1	---	1	6	192	---	1029	
Deuel	1	33	---	---	1	---	---	7	1	4	47	
Dixon	1	184	---	2	36	---	27	---	1	---	251	
Dodge	---	488	---	10	7	---	75	---	27	---	607	
Douglas	---	147	---	3	3	---	13	---	10	---	176	
Dundy	---	245	---	12	---	---	---	---	96	1	354	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Wheat : 1/	Other : Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans :	Sugar- beets :					
-----000 Tons-----													
Nebraska--Cont.													
Fillmore	---	463	---	153	3	---	7	---	104	---	---	730	
Franklin	---	200	---	50	1	---	1	---	48	---	---	300	
Frontier	1	214	---	22	1	---	---	---	117	1	---	356	
Furnas	---	153	---	37	---	---	---	---	128	---	---	318	
Gage	---	191	---	215	9	---	13	---	126	---	---	554	
Garden	1	32	---	---	1	---	---	1	139	1	---	175	
Garfield	---	37	---	---	---	---	---	---	---	---	---	37	
Gosper	---	243	---	17	---	---	---	---	34	---	---	294	
Grant	---	---	---	---	---	---	---	---	---	---	---	---	
Greeley	---	179	---	5	3	---	---	---	7	---	---	194	
Hall	---	798	---	12	---	---	10	---	17	---	---	837	
Hamilton	---	898	---	65	1	---	8	---	27	---	---	999	
Harlan	---	200	---	43	---	---	---	---	72	---	---	315	
Hayes	---	96	---	5	---	---	---	---	117	1	---	219	
Hitchcock	---	113	---	4	---	---	---	---	180	2	---	299	
Holt	1	686	---	1	8	---	---	---	3	2	---	701	
Hooker	---	1	---	---	---	---	---	---	---	---	---	1	
Howard	---	339	---	5	2	---	2	---	14	---	---	362	
Jefferson	---	146	---	137	3	---	4	---	92	---	---	382	
Johnson	---	53	---	44	3	---	7	---	37	---	---	144	
Kearney	---	627	---	28	1	---	4	1	54	---	---	715	
Keith	---	103	---	1	1	---	---	16	157	8	---	286	
Keyapaha	1	30	---	1	2	---	---	---	1	---	---	35	
Kimball	1	4	---	---	1	---	---	---	269	10	---	285	
Knox	6	210	---	11	69	---	7	---	5	1	---	309	
Lancaster	---	82	---	242	11	---	15	---	165	---	---	515	
Lincoln	1	381	---	4	1	---	---	4	87	1	---	479	
Logan	---	29	---	---	1	---	---	---	12	---	---	42	
Loup	---	31	---	---	1	---	---	---	---	---	---	32	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Nebraska--Cont.											
Madison	1	468	-----	12	24	-----	51	-----	4	2	562
McPherson	---	6	-----	---	---	-----	---	-----	---	1	7
Merrick	---	581	-----	7	1	-----	2	-----	11	1	603
Morrill	---	92	-----	---	1	-----	---	31	67	34	225
Nance	---	215	-----	37	4	-----	3	-----	25	1	285
Nemaha	---	154	-----	34	2	-----	45	-----	40	---	275
Nuckolls	---	165	-----	77	3	-----	2	-----	61	---	308
Otoe	---	172	-----	95	4	-----	35	-----	78	---	384
Pawnee	---	60	-----	50	1	-----	5	-----	38	---	154
Perkins	---	190	-----	2	1	-----	---	6	350	6	555
Phelps	---	711	-----	19	1	-----	1	-----	37	---	769
Pierce	1	303	-----	1	37	-----	16	-----	5	5	368
Platte	1	555	-----	58	21	-----	47	-----	24	---	706
Polk	---	433	-----	144	2	-----	12	-----	38	---	629
Red Willow	---	220	-----	21	---	-----	---	2	155	1	399
Richardson	---	308	-----	46	2	-----	63	-----	41	---	460
Rock	---	87	-----	---	---	-----	---	-----	---	---	87
Saline	---	214	-----	141	5	-----	9	-----	122	---	491
Sarpy	---	109	-----	2	2	-----	22	-----	10	---	145
Saunders	---	361	-----	55	9	-----	103	-----	80	---	608
Scotts Bluff	1	150	-----	---	2	-----	---	113	30	76	372
Seward	---	326	-----	155	6	-----	19	-----	86	---	592
Sheridan	7	50	-----	---	7	-----	---	---	108	10	182
Sherman	1	130	-----	6	1	-----	1	-----	17	---	156
Sioux	1	30	-----	---	2	-----	---	14	9	10	66
Stanton	1	251	-----	4	16	-----	27	---	4	1	304
Thayer	---	250	-----	155	2	-----	4	-----	98	---	509
Thomas	---	2	-----	---	---	-----	---	---	---	---	2
Thurston	1	267	-----	4	37	-----	40	---	1	---	350

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other ; 1/	Total
	Barley ;	Corn ;	Cotton ;	Grain ; sorghum ;	Oats ;	Rice ;	Soybeans ;	Sugar- beets ;	Wheat ;			
-----000 Tons-----												
Nebraska--Cont.												
Valley	2	205	---	3	2	---	1	---	23	---	---	236
Washington	---	269	---	5	10	---	42	---	20	---	---	346
Wayne	1	235	---	6	49	---	37	---	1	---	---	329
Webster	---	88	---	40	3	---	---	---	50	---	---	181
Wheeler	---	76	---	1	1	---	---	---	---	1	---	79
York	---	828	---	119	1	---	9	---	41	---	---	998
Unallocated 2/	4	11	---	7	3	---	---	---	3	9	---	37
State total ..	56	22966	---	2895	670	---	1186	249	5452	261	---	33735
Nevada												
Churchill	8	---	---	---	---	---	---	---	7	---	---	15
Clark	1	---	---	---	---	---	---	---	---	---	---	1
Douglas	1	---	---	---	1	---	---	---	---	---	---	2
Elko	---	---	---	---	---	---	---	---	1	---	---	1
Esmeralda	---	---	---	---	---	---	---	---	---	---	---	---
Eureka	2	---	---	---	---	---	---	---	5	---	---	7
Humboldt	8	---	---	---	---	---	---	---	20	---	---	28
Lander	1	---	---	---	1	---	---	---	2	---	---	4
Lincoln	---	---	---	---	---	---	---	---	---	---	---	---
Lyon	3	---	---	---	1	---	---	---	5	---	---	9
Mineral	---	---	---	---	---	---	---	---	---	---	---	---
Nye	---	---	---	---	---	---	---	---	---	---	---	---
Peashing	4	---	---	---	---	---	---	---	24	---	---	28
Storey	---	---	---	---	---	---	---	---	---	---	---	---
Washoe	1	---	---	---	---	---	---	---	---	---	---	---
White Pine	1	---	---	---	---	---	---	---	---	---	---	1
Carson City	---	---	---	---	---	---	---	---	---	---	---	1
Unallocated 2/	---	---	---	---	---	---	---	---	---	---	---	---
State total ..	31	---	---	---	4	---	---	---	65	---	---	100

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
New Hampshire											
Belknap	---	---	---	---	---	---	---	---	---	---	---
Carroll	---	---	---	---	---	---	---	---	---	---	---
Cheshire	---	1	---	---	---	---	---	---	---	---	1
Coos	---	1	---	---	---	---	---	---	---	---	1
Grafton	---	---	---	---	---	---	---	---	---	---	---
Hillsboro	---	---	---	---	---	---	---	---	---	---	---
Merrimack	---	---	---	---	---	---	---	---	---	---	---
Rockingham	---	1	---	---	---	---	---	---	---	---	1
Strafford	---	---	---	---	---	---	---	---	---	---	---
Sullivan	---	---	---	---	---	---	---	---	---	---	---
Unallocated 2/	---	---	---	---	---	---	---	---	---	---	---
State total	---	3	---	---	---	---	---	---	---	---	3
New Jersey											
Atlantic	---	---	---	---	---	---	---	---	---	---	---
Bergen	---	---	---	---	---	---	---	---	---	---	---
Burlington	8	61	---	---	---	---	11	---	11	3	94
Camden	---	2	---	---	---	---	---	---	---	---	2
Cape May	---	1	---	---	---	---	---	---	1	---	2
Cumberland	2	10	---	---	---	---	5	---	12	1	30
Essex	---	---	---	---	---	---	---	---	---	---	---
Gloucester	5	7	---	---	---	---	4	---	4	2	22
Hudson	---	---	---	---	---	---	---	---	---	---	---
Hunterdon	1	83	---	---	3	---	2	---	8	---	97
Mercer	3	17	---	---	---	---	8	---	15	---	43
Middlesex	1	11	---	---	---	---	5	---	13	---	30
Monmouth	2	35	---	---	---	---	8	---	17	1	63
Morris	---	8	---	---	---	---	---	---	1	---	9
Ocean	1	4	---	---	---	---	---	---	---	1	6

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat				
-----000 Tons-----													
New Jersey--Cont.													
Passaic	12	31	---	---	---	---	10	---	17	1	---	71	---
Salem	2	19	---	---	---	---	3	---	5	---	---	29	---
Somerset	---	11	---	---	---	---	---	---	---	---	---	11	---
Sussex	---	---	---	---	---	---	---	---	---	---	---	---	---
Union	---	---	---	---	---	---	---	---	---	---	---	---	---
Warren	1	73	---	---	2	---	1	---	4	---	---	81	---
Unallocated 2/	---	---	---	---	2	---	1	---	2	1	---	6	---
State total	38	373	---	---	7	---	58	---	108	11	---	596	---
New Mexico													
Bernalillo	---	---	---	---	---	---	---	---	---	---	---	---	---
Catron	---	---	---	---	---	---	---	---	---	---	---	---	---
Chaves	11	1	10	13	---	---	---	---	---	---	---	35	---
Colfax	---	---	---	---	---	---	---	---	---	---	---	2	---
Curry	21	191	---	151	---	---	---	2	302	---	---	667	---
DeBaca	---	---	---	5	---	---	---	---	2	---	---	7	---
Dona Ana	7	---	14	3	---	---	---	---	2	---	---	41	---
Eddy	5	1	10	2	---	---	---	---	17	---	---	30	---
Grant	---	---	---	2	---	---	---	---	12	---	---	2	---
Guadalupe	---	---	---	---	---	---	---	---	---	---	---	---	---
Harding	---	---	---	---	---	---	---	---	---	---	---	---	---
Hidalgo	3	6	2	24	---	---	---	---	7	---	---	9	---
Lea	6	21	2	31	---	---	---	---	3	---	---	38	---
Lincoln	---	---	---	---	---	---	---	---	4	---	---	64	---
Los Alamos	---	---	---	---	---	---	---	---	---	---	---	---	---
Luna	12	---	5	65	---	---	---	---	---	---	---	---	---
McKinley	---	---	---	---	---	---	---	---	7	---	---	89	---
Mora	---	---	---	---	---	---	---	---	1	---	---	1	---
Otero	1	---	1	---	---	---	---	---	1	---	---	1	---
													2

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
New Mexico---Cont.											
Quay	1			11					84		96
Rio Arriba	1								3		4
Roosevelt	1	38	2	123					79	14	257
Sandoval		1									1
San Juan	1	2							1		4
San Miguel									1		1
Santa Fe	1								2		3
Sierra				1					1		2
Socorro		1		1							2
Taos	1										1
Torrance		10									14
Union		42		11					4		69
Valencia	1								16		2
Unallocated 2/		5							1		6
State total	72	319	49	434				2	558	15	1450
New York											
Albany		10			1				1		12
Allegany	1	12			14				2		29
Broome		16			2						18
Cattaraugus		20			7				1		28
Cayuga	2	157			26				26	7	218
Chautauqua		24			5				1	1	31
Chemung		14			3				2		19
Chenango		16			5				1		22
Clinton		2			1						3
Columbia		35			2				2	1	40
Cortland		20			6				1		27
Delaware		10			0						10

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans :	Sugar- beets :	Wheat :			
-----000 Tons-----												
New York--Continued:												
Dutchess	---	27	---	---	2	---	---	---	1	---	---	30
Erie	2	48	---	---	11	---	---	---	10	3	---	74
Essex	---	1	---	---	---	---	---	---	1	---	---	2
Franklin	---	1	---	---	2	---	---	---	---	---	---	3
Fulton	---	4	---	---	1	---	---	---	---	---	---	5
Genesee	2	123	---	---	20	---	---	---	44	7	---	196
Greene	---	7	---	---	---	---	1	---	---	---	---	8
Hamilton	---	---	---	---	---	---	---	---	---	---	---	---
Herkimer	---	17	---	---	9	---	---	---	1	---	---	26
Jefferson	1	26	---	---	25	---	---	---	---	---	---	53
Lewis	---	11	---	---	1	---	---	---	---	---	---	12
Livingston	2	142	---	---	26	---	---	---	45	11	---	226
Madison	1	49	---	---	18	---	---	---	1	---	---	69
Monroe	---	63	---	---	16	---	---	---	37	7	---	123
Montgomery	---	39	---	---	10	---	---	---	3	---	---	52
Nassau	---	---	---	---	---	---	---	---	---	---	---	---
Niagra	---	69	---	---	10	---	---	---	25	---	---	104
Oneida	---	48	---	---	17	---	---	---	3	---	---	68
Onondaga	1	76	---	---	21	---	---	---	12	1	---	111
Ontario	1	110	---	---	32	---	---	---	48	8	---	199
Orange	---	17	---	---	---	---	---	---	---	---	---	17
Orleans	---	68	---	---	12	---	---	---	28	3	---	111
Oswego	---	19	---	---	2	---	1	---	2	---	---	24
Otsego	---	17	---	---	12	---	---	---	---	---	---	29
Putnam	---	1	---	---	---	---	---	---	---	---	---	1
Rensselaer	---	33	---	---	1	---	---	---	1	---	---	35
Rockland	---	---	---	---	---	---	---	---	---	---	---	---
St. Lawrence	---	18	---	---	4	---	---	---	---	---	---	22
Saratoga	---	16	---	---	2	---	---	---	---	---	---	18

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans : beets :	Wheat :				
-----000 Tons-----												
New York--Continued:												
Schenectady	---	2	---	---	---	---	---	---	---	---	2	29
Schoharie	---	26	---	---	2	---	---	1	---	---	---	26
Shuyer	---	14	---	---	7	---	---	4	---	1	---	113
Seneca	1	57	---	---	27	---	---	26	---	2	---	92
Steuben	1	34	---	---	43	---	---	13	---	1	---	9
Suffolk	---	---	---	---	---	---	---	2	---	7	---	4
Sullivan	---	4	---	---	---	---	---	---	---	---	---	23
Tioga	---	16	---	---	6	---	---	1	---	---	---	56
Tompkins	1	34	---	---	11	---	2	7	---	1	---	10
Ulster	---	9	---	---	---	---	---	1	---	---	---	---
Warren	---	---	---	---	---	---	---	---	---	---	---	38
Washington	---	35	---	---	2	---	---	1	---	---	---	111
Wayne	1	74	---	---	13	---	---	19	---	4	---	1
Westchester	---	1	---	---	---	---	---	---	---	---	---	114
Wyoming	1	70	---	---	24	---	---	15	---	4	---	87
Yates	2	48	---	---	12	---	---	22	---	3	---	---
New York City	---	---	---	---	---	---	---	---	---	---	---	14
Unallocated 2/	2	3	---	---	3	---	3	---	---	3	---	2804
State total	22	1813	---	---	476	---	7	411	---	76	---	---
North Carolina												
Alamance	3	33	---	1	2	---	5	10	---	---	---	54
Alexander	---	9	---	---	1	---	1	1	---	---	---	12
Alleghany	---	1	---	---	---	---	---	---	---	---	---	1
Anson	---	14	1	10	2	---	15	3	---	---	---	45
Ash	---	1	---	---	---	---	---	---	---	---	---	1
Avery	---	---	---	---	---	---	---	---	---	---	---	---
Beaufort	1	217	---	---	1	---	56	10	---	1	---	286
Bertie	---	159	---	---	---	---	19	---	---	35	---	213

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										000 Tons
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	Total
N. Carolina--Cont.											
Bladen	---	108	---	---	1	---	23	---	1	7	140
Brunswick	---	56	---	---	---	---	9	---	---	---	65
Buncombe	---	9	---	---	---	---	---	---	---	---	9
Burke	---	6	---	---	---	---	1	---	1	---	8
Cabarrus	3	19	---	2	3	---	6	---	7	---	40
Caldwell	1	15	---	---	---	---	1	---	1	---	18
Camden	---	98	---	---	1	---	24	---	13	---	136
Carteret	---	15	---	---	---	---	6	---	---	---	21
Caswell	1	16	---	---	1	---	1	---	10	---	29
Catawba	4	23	---	1	2	---	7	---	7	---	44
Chatham	2	31	---	2	1	---	3	---	3	---	42
Cherokee	---	6	---	---	---	---	---	---	---	---	6
Chowan	---	62	---	---	---	---	16	---	1	13	92
Clay	---	3	---	---	---	---	---	---	---	---	3
Cleveland	4	17	2	1	3	---	15	---	11	---	53
Columbus	---	167	---	---	1	---	40	---	1	3	212
Craven	---	82	---	---	---	---	21	---	2	---	105
Cumberland	1	71	1	---	1	---	27	---	4	2	107
Currituck	---	96	---	---	---	---	21	---	12	---	129
Dare	---	---	---	---	---	---	---	---	---	---	---
Davidson	8	29	---	2	3	---	4	---	8	---	54
Davie	4	17	---	---	1	---	2	---	6	---	30
Duplin	---	231	---	---	1	---	44	---	3	---	279
Durham	1	6	---	1	1	---	1	---	3	24	37
Edgecombe	1	206	2	1	1	---	20	---	6	---	237
Forsyth	1	15	---	---	1	---	1	---	3	---	21
Franklin	1	28	---	2	1	---	15	---	15	---	62
Gaston	4	7	---	1	1	---	3	---	5	---	21
Gates	---	68	---	---	---	---	13	---	1	14	96

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
N. Carolina--Cont.											
Graham	---	---	---	---	1	---	---	---	---	---	1
Granville	1	27	---	1	---	---	4	---	8	---	41
Greene	2	193	---	---	4	---	8	---	2	---	209
Gulford	2	35	---	3	1	---	6	---	16	---	63
Halifax	1	121	5	1	2	---	22	---	2	48	202
Harnett	3	74	1	1	---	---	26	---	6	1	112
Haywood	---	1	---	---	---	---	---	---	---	---	1
Henderson	---	19	---	---	---	---	---	---	---	---	19
Hertford	---	71	---	---	---	---	9	---	1	25	106
Hake	1	10	2	1	1	---	15	---	2	3	35
Hyde	---	135	---	1	---	---	25	---	7	---	168
Iredell	6	30	---	---	5	---	7	---	10	---	58
Jackson	---	1	---	---	---	---	---	---	---	---	1
Johnston	2	265	---	1	2	---	41	---	8	1	320
Jones	---	79	---	---	---	---	15	---	1	---	95
Lee	1	8	---	---	1	---	4	---	1	---	15
Lenoir	---	197	---	---	1	---	20	---	2	---	220
Lincoln	5	12	---	1	2	---	9	---	6	---	35
Macon	---	2	---	---	---	---	---	---	---	---	2
Madison	---	6	---	---	---	---	---	---	---	---	6
Martin	---	114	---	---	---	---	19	---	1	25	159
McDowell	---	5	---	---	---	---	---	---	---	---	5
Mecklenburg	---	7	---	1	2	---	2	---	2	---	14
Mitchell	---	1	---	---	---	---	---	---	---	---	1
Montgomery	---	13	---	---	1	---	2	---	4	1	21
Moore	---	16	---	---	1	---	4	---	3	2	26
Nash	3	104	1	---	1	---	18	---	13	---	140
New Hanover	---	3	---	---	---	---	1	---	---	---	4
North Hampton	---	112	5	1	---	---	14	---	2	54	188

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat				
-----000 Tons-----													
N. Carolina--Cont.													
Onslow	---	68	---	---	---	---	16	---	1	---	---	---	85
Orange	4	21	---	1	2	---	3	---	8	---	5	---	44
Pamlico	---	34	---	---	---	---	16	---	6	---	---	---	56
Pasquotank	1	94	---	3	1	---	33	---	14	---	---	---	146
Pender	---	60	---	---	---	---	15	---	1	---	1	---	77
Perquimans	1	112	---	---	1	---	33	---	8	---	6	---	161
Person	---	28	---	1	1	---	1	---	15	---	---	---	46
Pitt	---	235	---	1	---	---	36	---	2	---	1	---	275
Polk	---	4	---	---	---	---	1	---	---	---	---	---	5
Randolph	3	65	---	2	3	---	6	---	15	---	---	---	94
Richmond	1	6	---	---	2	---	4	---	3	---	4	---	20
Robeson	1	233	6	1	1	---	71	---	5	---	3	---	321
Rockingham	1	21	---	1	1	---	3	---	11	---	---	---	38
Rowen	11	33	---	2	5	---	13	---	17	---	---	---	81
Rutherford	---	12	---	1	---	---	3	---	3	---	---	---	19
Sampson	1	274	2	1	1	---	41	---	4	---	1	---	325
Scotland	---	11	5	---	1	---	10	---	1	---	3	---	31
Stanley	11	37	---	16	5	---	20	---	17	---	---	---	106
Stokes	---	21	---	---	1	---	1	---	4	---	---	---	27
Surry	1	39	---	---	---	---	1	---	4	---	---	---	45
Swain	---	---	---	---	---	---	---	---	---	---	---	---	---
Transylvania ...	---	8	---	---	---	---	---	---	---	---	---	---	8
Tyrrell	---	46	---	---	---	---	15	---	2	---	---	---	63
Union	3	46	---	46	3	---	46	---	19	---	---	---	163
Vance	1	6	---	1	1	---	6	---	8	---	---	---	23
Wake	3	38	---	1	3	---	17	---	19	---	---	---	81
Warren	1	12	---	2	1	---	8	---	4	---	---	---	28
Washington	---	159	---	---	---	---	31	---	6	---	5	---	201
Watauga	---	2	---	---	---	---	30	---	---	---	---	---	32

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										000 Tons	
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other	Total	
N. Carolina--Cont.												
Wayne	---	336	---	---	1	---	---	---	6	1	344	
Wilkes	---	16	---	---	---	---	---	---	1	---	17	
Wilson	---	166	---	---	2	---	18	---	13	---	199	
Yadkin	---	56	---	---	2	---	6	---	14	---	78	
Yancey	---	3	---	---	---	---	---	---	---	---	3	
Unallocated 2/	9	8	---	5	3	---	---	---	---	7	32	
State total ..	120	5912	33	121	96	---	1191	---	473	301	8249	
North Dakota												
Adams	7	---	---	---	12	---	---	---	136	3	158	
Barnes	179	5	---	---	31	---	---	---	426	23	700	
Benson	105	---	---	---	22	---	---	---	415	18	560	
Billings	4	---	---	---	5	---	---	---	32	---	41	
Bottineau	96	---	---	---	34	---	---	---	426	35	591	
Bowman	16	---	---	---	18	---	---	---	130	---	164	
Burke	19	---	---	---	10	---	---	---	234	4	267	
Burleigh	35	3	---	---	55	---	---	---	216	15	324	
Cass	180	22	---	---	15	---	---	26	488	12	743	
Cavalier	251	---	---	---	17	---	---	---	504	4	776	
Dickey	74	26	---	---	40	---	---	---	178	47	365	
Divide	9	---	---	---	7	---	---	---	304	1	321	
Dunn	10	---	---	---	36	---	---	---	126	---	172	
Eddy	16	---	---	---	19	---	---	---	113	11	159	
Emmons	15	---	---	---	47	---	---	---	232	35	329	
Foster	29	---	---	---	19	---	---	---	181	12	241	
Golden Valley	7	---	---	---	10	---	---	---	133	---	150	
Grand Forks	253	3	---	---	36	---	---	21	59	12	384	
Grant	9	3	---	---	34	---	---	---	134	4	184	
Griggs	90	---	---	---	16	---	---	---	193	19	318	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Wheat	Other : 1/	Total
	Barley	Corn	Cotton	Grain : sorghum	Oats	Rice	Soybeans:	Sugar- beets					
-----000 Tons-----													
North Dakota--Cont:													
Hettinger	12	---	---	---	18	---	---	---	278		2	310	
Kidder	15	1	---	---	38	---	---	---	142		14	210	
La Moure	42	5	---	---	56	---	---	---	287		31	421	
Logan	9	---	---	---	31	---	---	---	149		18	209	
McHenry	34	---	---	---	38	---	---	---	269		29	370	
McIntosh	11	---	---	---	33	---	---	---	262		50	356	
McKenzie	14	1	---	---	18	---	---	27	214		1	275	
McLean	15	---	---	---	43	---	---	---	576		23	657	
Mercer	7	1	---	---	26	---	---	---	116		2	152	
Morton	31	2	---	---	53	---	---	---	164		1	251	
Mountrail	7	---	---	---	18	---	---	---	332		2	359	
Nelson	102	---	---	---	26	---	---	---	321		11	460	
Oliver	7	---	---	---	18	---	---	---	62		3	80	
Pembina	177	---	---	---	18	---	46	50	563		5	859	
Pierce	46	---	---	---	27	---	---	---	222		21	316	
Ramsey	143	---	---	---	8	---	---	---	454		10	615	
Ransom	56	46	---	---	22	---	---	---	112		16	252	
Renville	26	---	---	---	16	---	---	---	275		11	328	
Richland	85	90	---	---	21	---	51	36	217		19	519	
Rolette	63	---	---	---	11	---	---	---	182		4	260	
Sargent	48	46	---	---	33	---	1	---	148		19	295	
Sheridan	21	---	---	---	24	---	---	---	206		13	264	
Sioux	4	---	---	---	10	---	---	---	43		1	58	
Slope	9	---	---	---	7	---	---	---	149		2	167	
Stark	13	1	---	---	38	---	---	---	215		---	267	
Steele	163	---	---	---	16	---	---	---	282		14	475	
Stutsmon	94	---	---	---	63	---	---	---	593		36	786	
Towner	124	---	---	---	5	---	---	---	385		5	519	
Trall	179	1	---	---	20	---	5	44	343		7	599	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans:	Sugar- beets :	Wheat :				
-----000 Tons-----													
North Dakota--Cont:													
Walsh	252	---	---	---	29	---	---	46	560	7		894	
Ward	36	---	---	---	42	---	---	---	536	12		626	
Wells	90	1	---	---	19	---	---	---	408	32		550	
Williams	18	---	---	---	18	---	---	7	463	6		512	
Unallocated 2/ ..	---	50	---	---	19	---	1	---	450	123		635	
State total ..	3358	307	---	---	1348	---	104	257	14674	805		20853	
Ohio													
Adams	---	82	---	---	1	---	8	---	11	---		102	
Allen	---	241	---	---	12	---	73	1	95	---		422	
Ashland	---	161	---	---	22	---	11	---	40	---		234	
Ashtabula	---	73	---	---	16	---	2	---	11	---		102	
Athens	---	20	---	---	---	---	---	---	---	---		20	
Auglaize	---	301	---	---	23	---	78	---	89	---		491	
Belmont	1	26	---	---	3	---	---	---	2	---		32	
Brown	---	98	---	---	---	---	39	---	15	---		152	
Butler	---	181	---	---	2	---	26	---	27	---		236	
Carroll	1	42	---	---	10	---	---	---	10	---		63	
Champaign	---	403	---	---	11	---	60	---	67	---		541	
Clark	---	317	---	---	3	---	63	---	58	---		441	
Clermont	---	41	---	---	---	---	30	---	7	---		78	
Clinton	---	341	---	---	3	---	62	---	49	---		455	
Columbiana	2	89	---	---	15	---	---	---	17	---		123	
Coshocton	---	132	---	---	8	---	1	---	13	---		154	
Crawford	---	249	---	---	14	---	66	---	79	---		408	
Cuyahoga	---	---	---	---	---	---	---	---	---	---		---	
Darke	---	550	---	---	12	---	135	---	117	---		814	
Defiance	---	127	---	---	13	---	67	---	105	---		312	
Delaware	---	182	---	---	7	---	64	---	50	---		303	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont..

State and County	Estimated Plant Residue From Harvested											Other ; Total ; 1/ ;
	Barley ;	Corn ;	Cotton ;	Grain ; sorghum ;	Oats ;	Rice ;	Soybeans ;	Sugar- beets ;	Wheat ;			
-----000 Tons-----												
Ohio--Continued												
Erie	---	121	---	---	4	---	25	2	38	---	---	190
Fairfield	---	245	---	---	4	---	37	---	42	---	---	328
Fayette	---	307	---	---	4	---	86	---	70	---	---	467
Franklin	---	181	---	---	3	---	65	---	42	---	---	291
Fulton	---	412	---	---	9	---	71	---	77	1	---	570
Gallia	1	28	---	---	---	---	---	---	---	---	---	29
Geauga	1	20	---	---	7	---	---	---	---	---	---	30
Greene	---	281	---	---	---	---	38	---	35	---	---	354
Guernsey	---	28	---	---	2	---	---	---	2	---	---	32
Hamilton	---	23	---	---	---	---	3	---	3	---	---	29
Hancock	---	350	---	---	12	---	143	10	187	---	---	702
Hardin	---	316	---	---	19	---	115	---	127	---	---	577
Harrison	---	18	---	---	3	---	---	---	---	---	---	21
Henry	1	345	---	---	12	---	100	6	141	---	---	605
Highland	---	215	---	---	2	---	56	---	48	---	---	321
Hocking	---	19	---	---	---	---	2	---	3	---	---	24
Holmes	1	113	---	---	19	---	---	---	28	---	---	161
Huron	---	265	---	1	19	---	77	---	91	---	---	453
Jackson	---	27	---	---	---	---	2	---	2	---	---	31
Jefferson	1	11	---	---	1	---	---	---	3	---	---	16
Knox	1	184	---	---	12	---	18	---	35	---	---	250
Lake	---	4	---	---	---	---	---	---	---	---	---	4
Lawrence	---	10	---	---	---	---	---	---	---	---	---	10
Licking	---	211	---	---	6	---	45	---	43	---	---	305
Logan	---	279	---	---	12	---	62	---	56	---	---	409
Lorain	---	85	---	---	11	---	31	---	28	---	---	156
Lucas	1	106	---	---	3	---	48	6	35	---	---	198
Madison	---	410	---	---	5	---	96	---	65	---	---	576
Mahoning	1	63	---	---	7	---	---	---	14	---	---	85

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975---Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
-----000 Tons-----												
Ohio--Continued												
Marion	---	261	---	---	12	---	89	---	126	---	---	488
Medina	---	70	---	---	13	---	10	---	20	---	---	113
Melgs	---	24	---	---	---	---	---	---	2	---	---	26
Mercer	---	361	---	---	39	---	101	---	105	---	---	606
Miami	---	307	---	1	8	---	78	---	86	---	---	480
Monroe	---	---	---	---	1	---	---	---	---	---	---	1
Montgomery	---	156	---	---	1	---	51	---	---	---	---	208
Morgan	---	14	---	---	---	---	---	---	---	---	---	14
Morrow	---	129	---	---	13	---	40	---	31	---	---	213
Muskingum	---	80	---	---	3	---	2	---	10	---	---	95
Noble	---	9	---	---	---	---	---	---	---	---	---	9
Ottawa	---	73	---	---	7	---	57	11	64	---	---	212
Paulding	---	193	---	---	23	---	79	---	112	---	---	407
Perry	---	55	---	---	---	---	4	---	16	---	---	75
Pickaway	---	364	---	---	5	---	90	---	78	---	---	537
Pike	---	45	---	---	1	---	14	---	8	---	---	68
Portage	1	75	---	---	11	---	2	---	17	1	---	107
Preble	---	324	---	---	2	---	55	25	54	---	---	460
Putnam	---	300	---	---	12	---	124	---	145	---	---	581
Richland	---	151	---	---	16	---	23	---	40	---	---	230
Ross	---	212	---	---	2	---	45	---	48	---	---	307
Sandusky	---	238	---	3	11	---	78	29	80	---	---	439
Scioto	---	36	---	---	---	---	11	---	4	---	---	51
Seneca	---	285	---	---	25	---	111	9	13	2	---	445
Shelby	---	276	---	---	19	---	78	---	89	---	---	462
Stark	1	148	---	---	17	---	5	---	32	---	---	203
Summit	---	13	---	---	2	---	---	---	3	---	---	18
Trumbull	---	56	---	---	9	---	3	---	6	---	---	74
Tuscarawas	---	71	---	---	7	---	3	---	14	---	---	95

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont..

State and County	Estimated Plant Residue From Harvested											Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans:	Sugar- beets :	Wheat :				
-----000 Tons-----													
Ohio--Continued													
Union	---	251	---	---	12	---	86	---	81	---	---	430	
Van Wert	---	341	---	---	18	---	123	1	117	---	---	600	
Vinton	---	12	---	---	---	---	---	---	---	---	---	12	
Warren	---	147	---	---	1	---	37	---	18	---	---	203	
Washington	---	50	---	---	---	---	---	---	4	---	---	54	
Wayne	3	252	---	---	28	---	7	---	46	---	---	336	
Williams	---	211	---	---	12	---	56	---	100	---	---	379	
Wood	---	439	---	---	27	---	142	8	245	1	---	862	
Wyandot	---	278	---	---	11	---	82	---	111	---	---	482	
Unallocated 2/ ..	1	---	---	---	---	---	---	1	---	8	---	10	
State total ..	25	14654	---	12	732	---	3597	111	4126	13	---	23270	
Oklahoma													
Adair	---	---	---	---	1	---	---	---	---	---	---	1	
Alfalfa	1	---	---	2	1	---	---	---	473	---	---	477	
Atoka	---	1	---	1	1	---	---	---	1	5	---	9	
Beaver	3	7	---	34	1	---	---	---	209	---	---	254	
Beckham	1	---	---	20	---	---	---	---	100	2	---	137	
Blaine	5	---	---	6	3	---	---	---	307	1	---	322	
Bryan	---	2	---	5	3	---	5	---	3	17	---	48	
Caddo	4	---	---	33	3	---	---	---	345	72	---	463	
Canadian	24	1	---	8	2	---	1	---	390	3	---	430	
Carter	---	---	---	1	1	---	---	---	2	2	---	6	
Cherokee	---	---	---	---	1	---	---	---	---	---	---	1	
Choctaw	---	1	---	---	---	---	4	---	---	---	---	5	
Cimarron	---	51	---	122	---	---	---	---	116	---	---	289	
Cleveland	1	---	---	5	1	---	1	---	20	---	---	28	
Coal	---	---	---	1	---	---	---	---	---	---	---	1	
Comanche	2	---	---	4	3	---	---	---	106	3	---	118	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
-----000 Tons-----												
Oklahoma--Continued												
Cotton	2	---	1	2	---	---	---	---	181	---	---	186
Craig	---	1	---	18	1	---	18	---	12	---	---	50
Creek	---	---	---	3	1	---	1	---	3	---	---	8
Custer	6	---	4	11	2	---	---	---	409	1	---	433
Delaware	---	---	---	4	1	---	2	---	3	---	---	10
Dewey	3	---	---	4	2	---	---	---	198	1	---	208
Ellis	1	3	---	9	---	---	---	---	93	---	---	106
Garfield	3	---	---	1	---	---	---	---	591	---	---	597
Garvin	---	1	---	16	2	---	4	---	18	4	---	46
Grady	4	1	2	9	3	---	1	---	137	6	---	163
Grant	5	---	---	7	3	---	---	---	600	---	---	613
Greer	2	---	7	10	1	---	---	---	123	---	---	145
Harmon	1	---	12	16	3	---	---	---	104	1	---	136
Harper	4	1	---	4	2	---	---	---	166	---	---	175
Haskell	---	---	---	---	---	---	---	---	2	---	---	4
Hughes	---	1	---	3	---	---	6	---	1	21	---	33
Jackson	2	---	21	15	1	---	---	---	269	1	---	309
Jefferson	---	---	---	2	2	---	---	---	44	---	---	48
Johnston	---	2	---	1	1	---	---	---	1	6	---	11
Kay	5	---	---	3	1	---	1	---	512	---	---	522
Kingfisher	6	---	---	3	2	---	---	---	409	4	---	424
Kiowa	1	---	12	12	2	---	---	---	383	---	---	410
Latimer	---	---	---	---	---	---	3	---	1	---	---	4
LeFlore	---	---	---	---	---	---	16	---	3	---	---	19
Lincoln	1	---	---	2	2	---	---	---	12	2	---	19
Logan	5	---	---	3	2	---	---	---	144	1	---	155
Love	---	2	---	4	2	---	---	---	4	8	---	20
Major	2	---	---	6	1	---	---	---	272	2	---	283
Marshall	---	---	---	1	1	---	---	---	1	4	---	7

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	Total	
-----000 Tons-----												
Oklahoma--Cont.												
Mayes	---	1	---	6	2	---	6	---	5	---	20	
McClain	1	---	1	5	1	---	2	---	22	4	39	
McCurtain	---	---	---	---	---	---	13	---	3	---	16	
McIntosh	---	1	---	6	1	---	5	---	2	2	17	
Murray	---	---	---	1	1	---	---	---	2	---	4	
Muskogee	---	1	---	5	1	---	15	---	8	---	30	
Noble	3	---	---	1	2	---	---	---	206	---	212	
Nowata	---	1	---	6	3	---	2	---	12	3	27	
Okfuskee	---	---	---	2	1	---	1	---	5	1	10	
Oklahoma	2	---	---	2	4	---	---	---	37	3	48	
Okmulgee	---	1	---	8	1	---	3	---	3	---	16	
Osage	---	1	---	2	1	---	2	---	59	---	65	
Ottawa	---	---	---	17	1	---	13	---	17	---	48	
Pawnee	1	---	---	2	---	---	---	---	34	---	37	
Payne	2	---	---	1	1	---	---	---	47	---	51	
Pittsburg	---	---	---	3	1	---	2	---	2	4	12	
Pontotoc	---	---	---	1	1	---	---	---	1	2	5	
Pottawatomie	---	---	---	2	1	---	1	---	16	5	25	
Pushmataha	---	---	---	---	---	---	---	---	---	---	---	
Roger Mills	4	---	2	13	1	---	---	---	91	1	112	
Rogers	---	---	---	2	1	---	5	---	5	---	13	
Seminole	---	---	---	1	---	---	1	---	3	3	8	
Sequoyah	---	---	---	---	1	---	9	---	2	---	12	
Stephens	---	---	1	4	2	---	---	---	48	3	58	
Texas	1	222	---	120	---	---	---	---	390	---	733	
Tillman	10	---	---	14	2	---	---	---	328	1	355	
Tulsa	---	---	---	2	---	---	2	---	4	---	8	
Wagoner	---	---	---	8	---	---	43	---	22	---	73	
Washington	---	---	---	1	1	---	1	---	3	---	6	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans:	Sugar- beets :	Wheat :			
-----000 Tons-----												
Oklahoma--Cont.												
Washita	3	---	23	31	2	---	---	---	272	3	334	
Woods	1	---	---	2	1	---	---	---	323	1	328	
Woodward	1	---	---	7	1	---	---	---	183	1	193	
Unallocated 2/ ..	1	7	2	13	---	---	4	---	1	14	42	
State total ..	124	310	122	702	95	---	195	---	8924	218	10691	
Oregon												
Baker	2	4	---	---	1	---	---	---	19	---	26	
Benton	1	---	---	---	1	---	---	---	62	46	110	
Clackamas	9	1	---	---	6	---	---	---	49	13	78	
Clatsop	---	---	---	---	---	---	---	---	---	---	---	
Columbia	2	---	---	---	1	---	---	---	5	---	8	
Coos	---	---	---	---	---	---	---	---	---	---	---	
Crook	5	---	---	---	2	---	---	---	14	1	22	
Curry	---	---	---	---	---	---	---	---	---	---	---	
Deschutes	1	1	---	---	1	---	---	---	4	---	7	
Douglas	1	1	---	---	---	---	---	---	7	---	9	
Gilliam	18	---	---	---	---	---	---	---	204	---	222	
Grant	---	---	---	---	---	---	---	---	1	---	1	
Harney	11	---	---	---	1	---	---	---	1	6	19	
Hood River	---	---	---	---	---	---	---	---	---	---	---	
Jackson	4	---	---	---	---	---	---	---	3	---	7	
Jefferson	3	---	---	---	---	---	---	---	107	2	112	
Josephine	---	---	---	---	---	---	---	---	---	---	---	
Klamath	50	---	---	---	30	---	---	---	17	7	104	
Lake	9	---	---	---	1	---	---	---	8	1	19	
Lane	---	---	---	---	2	---	---	---	35	32	69	
Lincoln	---	---	---	---	---	---	---	---	---	---	---	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Wheat	Other	Total	
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets						
-----000 Tons-----														
Oregon--Continued														
Linn	4				2				43		266	315		
Malheur	34	17			3			53	131			238		
Marion	16	6			9				188		30	249		
Morrow	16				2				346			364		
Multnomah									5		8	13		
Polk	20				9				136		41	206		
Sherman	24								267			291		
Tillamook														
Umatilla	32	15												
Union	41				1			5	730			783		
Walla Walla	26	1			5				132		3	181		
Wasco	15				2				69			98		
Washington	8								218			233		
Wheeler	1				9				169			186		
Yamhill	23	2			8				7			8		
Unallocated 2/	17	4						2	150		12	195		
State total	393	52			96			60	3129		6	30		
											474	4203		
Pennsylvania														
Adams	16	96			4		1		24		1	142		
Allegheny	1	9			2				2			14		
Armstrong	3	35			11				5			54		
Beaver	4	16			4				3			27		
Bedford	6	72			10				8			96		
Berks	23	236			16		2		40		2	319		
Blair	3	39			6				5			53		
Bradford	1	48			13				2			64		
Bucks	12	100			3		9		20		1	145		
Butler	5	67			13				12		3	100		

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans :	Sugar- beets :	Wheat :				
-----000 Tons-----													
Pennsylvania--Cont:													
Cambria	2	26	---	---	11	---	---	---	3	1	---	43	
Cameron	---	---	---	---	---	---	---	---	---	---	---	---	12
Carbon	1	7	---	---	2	---	---	---	2	---	---	---	124
Centre	1	93	---	---	18	---	---	---	11	1	---	---	237
Chester	11	200	---	---	3	---	2	---	20	1	---	---	37
Clarion	2	25	---	---	7	---	---	---	3	---	---	---	22
Clearfield	2	15	---	---	4	---	---	---	1	---	---	---	32
Clinton	1	22	---	---	5	---	---	---	4	---	---	---	113
Columbia	5	86	---	---	11	---	1	---	10	---	---	---	82
Crawford	1	56	---	---	18	---	---	---	7	---	---	---	181
Cumberland	20	129	---	---	7	---	---	---	24	1	---	---	116
Dauphin	19	68	---	---	8	---	1	---	19	1	---	---	10
Delaware	---	9	---	---	---	---	---	---	---	---	---	---	3
Elk	---	2	---	---	1	---	---	---	7	2	---	---	70
Erie	1	47	---	---	13	---	---	---	2	1	---	---	52
Fayette	2	40	---	---	7	---	---	---	---	---	---	---	1
Forest	---	1	---	---	---	---	---	---	---	---	---	---	225
Franklin	23	167	---	---	12	---	---	---	22	1	---	---	41
Fulton	5	28	---	---	3	---	---	---	5	---	---	---	5
Greene	---	4	---	---	1	---	---	---	---	---	---	---	61
Huntingdon	3	47	---	---	5	---	---	---	6	---	---	---	61
Indiana	2	42	---	---	12	---	---	---	5	---	---	---	36
Jefferson	2	26	---	---	6	---	---	---	2	---	---	---	70
Juniata	5	47	---	---	7	---	---	---	11	---	---	---	6
Lackawanna	---	5	---	---	1	---	---	---	---	---	---	---	587
Lancaster	37	475	---	---	4	---	3	---	63	5	---	---	73
Lawrence	3	54	---	---	8	---	---	---	8	---	---	---	118
Lebanon	13	81	---	---	5	---	2	---	16	1	---	---	217
Lehigh	7	172	---	---	9	---	1	---	28	---	---	---	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other	1/	
-----000 Tons-----												
Pennsylvania--Cont:												
Luzerne	---	17	---	---	4	---	---	---	4	1	---	26
Lycoming	2	78	---	---	12	---	---	---	9	---	---	101
McKean	---	1	---	---	1	---	---	---	---	---	---	2
Mercer	2	84	---	---	16	---	---	---	10	---	---	112
Mifflin	3	42	---	---	4	---	---	---	10	---	---	59
Monroe	---	9	---	---	3	---	---	---	1	---	---	13
Montgomery	4	54	---	---	2	---	3	---	12	---	---	75
Montour	1	33	---	---	4	---	2	---	9	---	---	49
Northampton	12	185	---	---	7	---	2	---	26	---	---	232
Northumberland	7	110	---	---	13	---	1	---	18	---	---	149
Perry	8	45	---	---	7	---	---	---	15	---	---	75
Philadelphia	---	1	---	---	---	---	---	---	---	---	---	1
Pike	---	---	---	---	---	---	---	---	---	---	---	---
Potter	---	7	---	---	8	---	---	---	1	---	---	16
Schuylkill	7	44	---	---	9	---	---	---	10	1	---	71
Snyder	4	65	---	---	9	---	---	---	13	---	---	91
Somerset	5	52	---	---	27	---	---	---	4	1	---	89
Sullivan	---	3	---	---	1	---	---	---	---	---	---	4
Susquehanna	---	9	---	---	2	---	---	---	---	---	---	11
Tioga	---	27	---	---	15	---	---	---	1	---	---	43
Union	4	68	---	---	8	---	---	---	11	---	---	91
Venango	1	15	---	---	4	---	---	---	2	---	---	22
Warren	---	1	---	---	3	---	---	---	---	---	---	4
Washington	4	41	---	---	11	---	---	---	4	---	---	60
Wayne	---	7	---	---	---	---	---	---	---	---	---	7
Westmoreland	8	26	---	---	10	---	---	---	7	---	---	51
Wyoming	---	16	---	---	1	---	---	---	---	---	---	17
York	29	307	---	---	8	---	1	---	64	1	---	410
Unallocated 2/	1	3	---	---	---	---	3	---	---	4	---	11
State total	344	4042	---	---	459	---	34	---	632	30	---	5541

See footnotes at end of table.

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Rhode Island											
Bristol	---	---	---	---	---	---	---	---	---	---	---
Kent	---	---	---	---	---	---	---	---	---	---	---
Newport	---	---	---	---	---	---	---	---	---	---	---
Providence	---	---	---	---	---	---	---	---	---	---	---
Washington	---	---	---	---	---	---	---	---	---	---	---
Unallocated	---	---	---	---	---	---	---	---	---	---	---
State total	---	---	---	---	---	---	---	---	---	---	1
South Carolina											
Abbeville	---	2	---	---	---	---	6	---	3	---	11
Aiken	---	33	3	---	3	---	34	---	4	4	81
Allendale	---	62	1	---	6	---	54	---	9	6	138
Anderson	5	5	---	3	6	---	20	---	18	---	57
Bamberg	---	81	1	---	4	---	26	---	4	1	117
Barnwell	---	30	1	---	1	---	27	---	3	4	66
Beaufort	---	3	---	---	---	---	5	---	2	---	10
Berkeley	---	35	---	---	---	---	3	---	1	---	39
Calhoun	2	36	7	---	3	---	35	---	17	1	101
Charleston	---	10	---	---	---	---	16	---	5	---	31
Cherokee	2	3	---	1	1	---	4	---	1	---	12
Chester	1	2	1	1	---	---	4	---	---	---	9
Chesterfield	---	9	---	---	1	---	39	---	5	8	62
Clarendon	1	118	2	---	2	---	59	---	12	---	194
Colleton	---	42	---	---	5	---	23	---	2	---	72
Darlington	---	26	3	---	1	---	66	---	9	2	107
Dillon	---	32	6	---	2	---	40	---	11	---	91
Dorchester	---	41	---	---	1	---	10	---	1	1	54
Edgefield	---	4	---	---	---	---	17	---	4	1	26
Fairfield	---	2	---	---	---	---	---	---	1	---	3

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other		
-----000 Tons-----												
So. Carolina--Cont:												
Florence	1	130	1	---	1	---	66	---	7	2	---	208
Georgetown	---	30	---	---	---	---	4	---	---	---	---	34
Greenville	1	17	---	---	---	---	14	---	2	---	---	34
Greenwood	---	1	---	1	---	---	1	---	1	---	---	4
Hampton	---	81	---	---	1	---	38	---	4	8	---	132
Horry	---	115	---	---	1	---	46	---	5	---	---	167
Jasper	---	11	---	---	---	---	6	---	---	---	---	17
Kershaw	---	23	---	---	---	---	13	---	1	1	---	38
Lancaster	---	5	---	---	---	---	3	---	---	---	---	8
Laurens	1	6	---	1	2	---	7	---	4	---	---	21
Lee	---	28	13	---	2	---	42	---	17	3	---	105
Lexington	---	15	---	---	2	---	21	---	5	2	---	45
Marion	1	38	---	---	---	---	25	---	1	---	---	65
Marlboro	3	31	15	---	3	---	43	---	3	2	---	100
McCormick	---	---	---	---	---	---	---	---	---	---	---	---
Newberry	6	10	---	1	2	---	15	---	6	---	---	40
Oconee	---	10	---	---	1	---	---	---	3	---	---	14
Orangeburg	2	176	5	1	12	---	90	---	28	2	---	316
Pickens	---	2	---	---	---	---	1	---	1	---	---	4
Richland	2	27	---	---	2	---	17	---	14	---	---	62
Saluda	1	5	1	---	1	---	14	---	1	---	---	23
Spartansburg	3	18	---	1	3	---	12	---	6	---	---	43
Sumter	1	82	7	---	7	---	50	---	8	1	---	156
Union	---	1	---	---	---	---	1	---	---	---	---	2
Williamsburg	---	140	---	---	1	---	57	---	1	6	---	205
York	3	3	1	1	---	---	7	---	2	---	---	17
Unallocated 2/ ..	3	---	2	6	---	---	3	---	---	8	---	22
State total ...	39	1581	70	17	77	---	1094	---	232	63	---	3163

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Wheat	Other	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets					
-----000 Tons-----													
So. Dakota													
Aurora	10	22	---	5	50	---	---	---	11	1	99		
Beadle	14	54	---	4	43	---	---	---	62	8	185		
Bennet	4	3	---	---	6	---	---	---	84	2	99		
Bon Homme	6	79	---	8	65	---	9	---	6	---	173		
Brookings	9	167	---	1	108	---	6	---	27	21	339		
Brown	87	85	---	---	60	---	---	---	283	39	554		
Brule	13	16	---	8	23	---	---	---	17	---	77		
Buffalo	3	6	---	3	7	---	---	---	5	---	24		
Butte	2	32	---	---	10	---	---	---	32	---	76		
Campbell	9	17	---	---	33	---	---	---	77	6	142		
Charles Mix	15	97	---	29	52	---	2	---	24	---	219		
Clark	9	46	---	---	26	---	---	---	73	30	184		
Clay	1	72	---	1	40	---	43	---	4	---	161		
Codington	17	23	---	---	49	---	---	---	49	33	171		
Corson	14	2	---	---	23	---	---	---	110	7	156		
Custer	1	2	---	---	1	---	---	---	4	1	9		
Davison	7	29	---	---	33	---	---	---	2	---	71		
Day	31	15	---	---	46	---	---	---	73	21	186		
Deuel	7	94	---	---	66	---	3	---	26	25	221		
Dewey	6	2	---	---	16	---	---	---	51	1	76		
Douglas	10	47	---	5	44	---	---	---	5	1	112		
Edmunds	23	9	---	---	52	---	---	---	107	19	210		
Fall River	2	18	---	---	1	---	---	---	14	1	36		
Faulk	20	18	---	1	37	---	---	---	68	14	158		
Grant	5	58	---	---	48	---	3	---	54	14	182		
Gregory	10	36	---	6	40	---	---	---	13	1	106		
Haakon	4	1	---	2	4	---	---	---	131	1	143		
Hamlin	8	106	---	---	54	---	---	---	32	27	227		
Hand	23	18	---	2	38	---	---	---	85	3	169		

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
-----000 Tons-----												
So. Dakota--Cont.												
Hanson	10	48	---	2	56	---	---	---	1	1	118	
Harding	10	---	---	---	10	---	---	---	45	1	66	
Hughes	4	30	---	6	12	---	---	---	54	1	107	
Hutchinson	10	135	---	6	106	---	8	---	5	---	270	
Hyde	7	7	---	1	15	---	---	---	15	1	46	
Jackson	2	---	---	---	1	---	---	---	39	1	43	
Jerrault	13	17	---	4	20	---	---	---	17	1	72	
Jones	1	1	---	1	3	---	---	---	87	---	93	
Kingsbury	22	92	---	1	52	---	1	---	34	20	222	
Lake	31	224	---	---	79	---	5	---	6	14	359	
Lawrence	---	1	---	---	1	---	---	---	4	---	6	
Lincoln	2	267	---	1	79	---	55	---	3	---	407	
Lyman	4	13	---	3	9	---	---	---	158	1	188	
Marshall	43	40	---	---	34	---	---	---	114	21	252	
McCook	24	133	---	2	106	---	3	---	3	---	271	
McPherson	16	28	---	---	40	---	---	---	77	20	181	
Meade	5	4	---	1	14	---	---	---	101	1	126	
Meulette	2	2	---	1	2	---	---	---	33	---	40	
Miner	14	45	---	1	44	---	---	---	7	2	113	
Minnehaha	31	424	---	1	108	---	26	---	2	1	593	
Moody	12	278	---	---	54	---	33	---	7	17	401	
Pennington	1	1	---	---	5	---	---	---	104	1	112	
Perkins	11	4	---	---	19	---	---	---	107	3	144	
Potter	23	37	---	---	25	---	---	---	96	3	184	
Roberts	37	105	---	---	51	---	9	---	113	35	350	
Sanborn	6	37	---	4	31	---	---	---	6	1	85	
Shannon	3	1	---	---	1	---	---	---	41	---	46	
Spink	30	62	---	4	35	---	---	---	207	11	349	
Stanley	---	3	---	3	2	---	---	---	68	---	76	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans:	Sugar- beets :	Wheat :			
-----000 Tons-----												
So. Dakota--Cont.												
Sully	4	62	---	1	21	---	---	---	145	3		236
Todd	3	5	---	1	6	---	---	---	14	1		30
Trip	15	20	---	22	32	---	---	---	73	1		163
Turner	2	207	---	1	86	---	37	---	3	---		336
Union	1	189	---	---	33	---	39	---	6	---		268
Walworth	8	11	---	---	24	---	---	---	83	3		129
Washabough	2	---	---	---	1	---	---	---	43	1		47
Yankton	2	91	---	2	57	---	18	---	3	---		173
Zieback	3	---	---	---	6	---	---	---	47	---		56
Unallocated 2/ ..	1	2	---	29	---	---	1	---	13	---		46
State total ..	785	3800	---	173	2355	---	301	---	3513	442		11367
Tennessee												
Anderson	---	1	---	---	---	---	---	---	---	---		1
Bedford	---	12	---	1	1	---	6	---	9	---		29
Benton	---	32	---	---	---	---	9	---	1	---		42
Bledsoe	---	23	---	---	---	---	2	---	3	---		28
Blount	---	15	2	---	2	---	3	---	5	---		27
Bradley	---	7	---	---	---	---	---	---	1	---		8
Campbell	---	3	---	---	---	---	---	---	---	---		3
Cannon	---	9	---	---	1	---	5	---	1	---		16
Carroll	---	34	2	1	---	---	34	---	9	---		80
Carter	---	7	---	---	---	---	---	---	---	---		7
Cheatham	---	13	---	---	---	---	2	---	---	---		18
Chester	---	10	1	---	---	---	30	---	1	---		42
Clalborne	---	11	---	---	---	---	---	---	---	---		11
Clay	---	6	---	---	---	---	1	---	1	---		8
Cocke	---	10	---	---	---	---	---	---	1	---		11
Coffee	---	78	---	---	---	---	12	---	18	---		108

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans:	Sugar- beets :	Wheat :			
-----000 Tons-----												
Tennessee--Cont.												
Crockett	---	11	29	---	---	---	53	---	10	---	---	103
Cumberland	---	13	---	1	---	---	---	---	---	---	---	14
Davidson	---	5	---	---	---	---	1	---	1	---	---	7
Decatur	---	13	---	1	---	---	7	---	1	---	---	22
DeKalb	---	18	---	---	---	---	4	---	1	---	---	23
Dickson	---	10	---	---	---	---	---	---	2	---	---	12
Dyer	---	28	9	1	---	---	218	---	47	---	---	303
Fayette	---	19	15	1	---	---	66	---	5	---	---	106
Fentress	---	14	---	---	---	---	---	---	1	---	---	15
Franklin	1	20	2	---	1	---	16	---	31	---	---	71
Gibson	---	74	17	4	---	---	104	---	26	---	---	225
Giles	---	11	---	2	---	---	6	---	2	---	---	21
Grainger	---	6	---	---	---	---	---	---	1	---	---	7
Greene	1	37	---	---	1	---	---	---	7	---	---	46
Grundy	---	15	---	---	---	---	1	---	3	1	---	20
Hamblen	1	9	---	---	1	---	1	---	7	---	---	19
Hamilton	---	3	---	---	---	---	---	---	---	---	---	3
Hancock	---	8	---	---	---	---	---	---	---	---	---	8
Hardeman	---	12	5	2	---	---	47	---	10	---	---	76
Hardin	---	18	---	1	---	---	33	---	5	---	---	57
Hawkins	---	18	---	---	---	---	---	---	4	---	---	22
Haywood	---	18	22	---	---	---	91	---	10	---	---	141
Henderson	---	37	1	1	---	---	18	---	1	---	---	58
Henry	---	62	---	2	1	---	40	---	16	---	---	121
Hickman	---	16	---	1	---	---	3	---	2	---	---	22
Houston	---	4	---	---	---	---	---	---	1	---	---	5
Humphreys	---	18	---	---	---	---	2	---	1	---	---	21
Jackson	---	12	---	---	---	---	---	---	---	---	---	12
Jefferson	1	9	---	---	1	---	1	---	5	---	---	17

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other	Total	
										1/		
-----000 Tons-----												
Tennessee--Cont.												
Johnson	---	4	---	---	---	---	---	---	---	---	4	
Knox	---	6	---	---	---	---	1	---	1	---	8	
Lake	---	5	7	---	---	---	87	---	36	---	135	
Lauderdale	---	11	7	---	---	---	114	---	22	---	154	
Lawrence	---	27	1	---	1	---	32	---	6	---	67	
Lewis	---	5	---	---	---	---	1	---	---	---	6	
Lincoln	---	17	---	2	1	---	12	---	4	---	36	
Loudon	---	8	---	---	1	---	1	---	1	---	11	
Macon	---	19	---	---	---	---	---	---	1	---	20	
Madison	---	24	10	---	---	---	53	---	2	---	89	
Marion	---	14	---	---	---	---	4	---	3	---	21	
Marshall	---	12	---	---	---	---	1	---	2	---	15	
Maury	1	12	---	1	1	---	9	---	7	---	31	
McMinn	1	8	---	---	---	---	2	---	2	---	13	
McNairy	---	36	1	1	---	---	27	---	4	---	69	
Meigs	---	4	---	---	---	---	1	---	---	---	5	
Monroe	---	11	---	---	1	---	3	---	2	---	17	
Montgomery	1	30	---	1	---	---	16	---	14	---	62	
Moore	---	2	---	---	---	---	---	---	---	---	2	
Morgan	---	13	---	---	---	---	---	---	---	---	13	
Obion	---	111	2	3	---	---	120	---	40	---	276	
Overton	---	15	---	---	---	---	---	---	1	---	16	
Perry	---	16	---	---	---	---	5	---	1	---	22	
Pickett	---	6	---	---	---	---	---	---	---	---	6	
Polk	---	7	---	---	---	---	1	---	1	---	9	
Putnam	---	21	---	---	---	---	---	---	2	---	23	
Rhea	---	5	---	---	---	---	2	---	---	---	7	
Roane	---	2	---	---	---	---	2	---	---	---	4	
Robertson	4	36	2	1	1	---	16	---	38	---	98	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										000 Tons	
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other	1/	Total
Tennessee--Cont												
Rutherford	1	18	1	1	1		4		5			31
Scott		12										12
Sequatchie		11					1		1			13
Sevier		12							3			15
Shelby		4	10				101		19			134
Smith		8										8
Stewart		4					2		1			7
Sullivan		16										16
Sumner	1	24										25
Tipton		5	16		1		4		5			35
Trousdale		7			1		89		7			118
Unicoi		1							1			8
Union		1										1
Van Buren		4										1
Warren		41							1			5
Washington	1	13			1		9		7			58
Wayne		9							3			17
Weakley		153					4		4			17
White		21	1	4			71		23			252
Williamson		15							4			25
Wilson		7			1		3		4			23
Unallocated 2/	5	2	4	2	7		4		1			8
State total	19	1684	160	35	29		1618		533	4	6	4084
Texas												
Anderson		5										
Andrews			4	6						3		8
Angelina												10
Arkansas				6								
												6

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans :	Sugar- beets :	Wheat :	Other :			
-----000 Tons-----													
Texas--Cont.													
Archer	1	---	---	---	5	---	---	---	83	---	---	---	89
Armstrong	1	2	---	35	---	---	---	---	33	---	---	---	71
Atascosa	---	10	---	22	---	---	---	---	15	---	---	34	81
Austin	---	6	1	20	---	11	1	---	1	---	---	1	41
Bailey	---	234	23	99	---	---	1	---	27	---	---	---	384
Bandera	---	---	---	1	1	---	---	---	---	---	---	---	2
Bastrop	---	1	---	8	1	---	---	---	2	2	---	---	14
Baylor	1	---	3	8	2	---	---	---	139	---	---	---	153
Bee	---	11	---	47	---	---	---	---	7	4	---	---	69
Bell	---	6	4	100	12	---	---	---	20	---	---	---	142
Bexan	---	27	---	34	2	---	---	---	16	4	---	---	83
Blanco	---	---	---	---	2	---	---	---	1	---	---	---	3
Borden	---	---	15	1	---	---	---	---	---	---	---	---	16
Bosque	---	---	---	10	24	---	---	---	9	1	---	---	44
Bowie	---	---	---	1	1	3	---	---	1	---	---	---	11
Brazoria	---	18	3	26	---	187	---	---	---	---	---	---	241
Brazos	---	1	3	24	---	---	1	---	---	---	---	---	29
Brewster	---	---	---	---	---	---	---	---	---	---	---	---	---
Briscoe	1	27	12	42	---	---	4	---	41	---	---	---	127
Brooks	---	---	---	13	---	---	---	---	---	---	---	---	13
Brown	8	---	---	2	6	---	---	---	14	7	---	---	37
Burleson	---	4	5	11	---	---	---	---	---	---	---	---	20
Burnett	---	---	---	3	1	---	---	---	3	---	---	---	7
Caldwall	---	1	---	15	---	---	---	---	10	---	---	---	26
Calhoun	---	---	---	76	---	46	---	---	---	---	---	---	122
Calhan	---	---	---	2	6	---	---	---	32	5	---	---	45
Cameron	---	17	24	372	---	---	---	---	---	30	---	---	443
Camp	---	---	---	---	---	---	---	---	---	---	---	---	---
Carson	1	17	---	140	---	---	---	---	251	---	---	---	409

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans :	Sugar- beets :	Wheat :				
-----000 Tons-----													
Texas--Continued													
Cass	1	721	9	183	4	---	8	23	---	216	---	1	1165
Castro	1	---	---	1	---	146	3	---	---	---	---	---	150
Chambers	---	3	---	---	---	---	---	---	---	---	---	---	---
Cherokee	---	---	25	4	---	---	---	---	---	55	---	---	84
Childress	---	---	1	1	5	---	---	---	---	170	---	---	178
Clay	1	---	22	132	---	---	---	---	---	11	---	---	165
Cochran	---	---	---	2	1	---	---	---	---	1	---	---	4
Coke	---	---	---	21	8	---	---	---	---	30	---	---	61
Coleman	1	---	1	107	12	---	---	---	---	105	---	---	231
Collin	---	2	5	26	1	---	---	---	---	47	2	---	95
Collingsworth	---	---	19	13	---	157	11	---	---	---	---	---	205
Colorado	---	24	---	1	---	---	---	---	---	3	---	---	6
Comal	---	1	---	4	3	---	---	---	---	1	58	---	66
Comanche	---	---	---	24	3	---	---	---	---	17	---	---	48
Concho	---	---	4	13	34	---	---	---	---	72	1	---	122
Cooke	2	---	---	17	19	---	---	---	---	28	---	---	66
Coryell	---	1	1	4	1	---	---	---	---	16	1	---	52
Cottle	---	---	30	1	---	---	---	---	---	---	---	---	1
Crane	---	---	---	1	---	---	---	---	---	---	---	---	---
Crockett	---	---	---	---	---	---	---	---	---	---	---	---	---
Crosby	---	1	69	122	---	---	2	---	---	34	---	---	228
Culberson	1	---	---	3	---	---	---	---	---	---	---	---	4
Dallam	---	165	---	75	1	---	---	---	---	185	---	---	426
Dallas	---	---	2	19	3	---	---	1	---	18	---	---	43
Dawson	---	---	89	39	---	---	2	---	---	9	---	---	139
Deaf Smith	4	459	---	232	1	---	2	22	---	303	2	---	1025
Delta	---	---	2	12	---	---	---	---	---	2	---	---	16
Denton	1	1	2	37	29	---	---	---	---	122	5	---	197
DeWitt	---	9	---	10	1	---	---	---	---	9	1	---	30

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total	
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	Other	Total
-----000 Tons-----												
Texas--Continued												
Dickens	---	---	16	15	---	---	---	---	14	---	---	45
Dimmit	---	4	1	16	---	---	---	---	---	---	---	21
Donley	---	---	4	20	---	---	---	---	13	1	---	38
Duval	---	2	---	33	---	---	---	---	6	1	---	42
Eastland	---	---	---	6	2	---	---	---	5	35	---	48
Ector	---	---	---	---	---	---	---	---	---	---	---	---
Edwards	---	---	---	---	---	---	---	---	---	---	---	---
Ellis	---	2	16	139	7	---	---	---	29	---	---	193
El Paso	5	1	3	3	---	---	---	---	8	---	---	20
Erath	---	---	---	2	5	---	---	---	1	14	---	22
Falls	---	4	6	82	8	---	---	---	9	---	---	109
Fannin	---	3	1	59	4	---	4	---	47	7	---	125
Fayette	---	12	---	11	---	---	---	---	1	2	---	26
Fisher	---	---	3	26	---	---	---	---	25	---	---	54
Floyd	---	40	7	281	---	---	23	---	184	---	---	535
Foard	---	---	3	1	1	---	---	---	137	---	---	142
Fort Bend	---	13	13	85	---	87	2	---	---	---	---	200
Franklin	---	---	---	---	---	---	---	---	---	---	---	---
Freestone	---	4	---	2	1	---	---	---	---	---	7	7
Frio	---	12	---	66	1	---	---	---	26	38	---	143
Gaines	---	10	86	160	---	---	1	---	20	9	---	286
Galveston	---	---	---	---	---	20	2	---	---	---	---	22
Garza	---	---	23	6	---	---	---	---	---	---	---	29
Gillespie	2	2	---	7	13	---	---	---	11	---	---	35
Glasscock	---	---	15	16	---	---	---	---	---	---	---	31
Goliad	---	5	---	2	---	---	---	---	1	---	8	8
Gonzales	---	2	---	4	---	---	---	---	3	1	---	10
Gray	1	4	33	37	---	---	---	---	81	---	---	156
Grayson	---	1	---	19	17	---	1	---	96	7	---	141

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other	1/	
-----000 Tons-----												
Texas--Continued												
Gregg	---	---	---	---	---	---	---	---	---	---	---	6
Grimes	---	2	---	4	---	---	---	---	---	---	---	86
Guadalupe	---	7	---	43	1	---	---	---	34	1	---	838
Hale	---	178	---	478	---	---	47	---	135	---	---	70
Hall	---	---	46	10	---	---	---	---	14	---	---	38
Hamilton	---	1	---	15	14	---	---	---	8	---	---	718
Hansford	---	152	---	197	---	---	---	---	369	---	---	179
Hardeman	1	---	8	4	1	---	---	---	165	---	---	6
Hardin	---	---	---	---	---	4	2	---	---	---	---	152
Harris	---	12	---	3	---	108	26	---	1	2	---	---
Harrison	---	---	---	---	---	---	---	---	---	---	---	---
Hartley	1	101	---	46	---	---	---	6	127	---	---	281
Haskell	1	---	40	57	1	---	---	---	71	1	---	171
Hays	---	---	---	9	1	---	---	---	3	---	---	13
Hemphill	---	---	53	7	---	---	---	---	56	---	---	116
Henderson	---	8	---	1	---	---	---	---	---	1	---	10
Hidalgo	---	99	16	514	1	---	4	---	1	151	---	786
Hill	---	5	14	183	6	---	---	---	13	4	---	225
Hockley	---	---	63	206	---	---	---	---	6	---	---	275
Hood	---	---	---	1	1	---	---	---	3	7	---	12
Hopkins	---	8	---	1	---	---	---	---	1	---	---	10
Houston	---	---	2	4	---	---	---	---	---	7	---	13
Howard	---	---	54	7	---	---	---	---	---	---	---	61
Hudspeth	5	1	7	2	1	---	---	---	---	---	---	16
Hunt	---	1	3	25	6	---	1	---	20	1	---	57
Hutchinson	1	40	---	37	---	---	---	---	77	---	---	155
Irion	---	---	---	---	---	---	---	---	---	---	---	---
Jack	---	---	---	---	---	---	---	---	---	---	---	9
Jackson	---	2	1	107	2	150	---	---	7	---	---	267

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other : 1/	Total
	Barley :	Corn :	Cotton :	Grain : sorghum :	Oats :	Rice :	Soybeans:	Sugar- beets :	Wheat :			
-----000 Tons-----												
Texas--Continued												
Jasper	---	---	---	---	---	---	---	---	---	---	---	1
Jeff Davis	---	---	---	1	---	---	---	---	---	---	---	214
Jefferson	---	---	---	---	---	210	4	---	---	---	---	5
Jim Hogg	---	---	---	5	---	---	---	---	---	---	---	122
Jim Wells	---	2	---	118	---	---	---	---	---	2	---	54
Johnson	---	1	3	41	---	---	---	---	8	1	---	144
Jones	---	---	28	52	3	---	---	---	60	1	---	69
Karnes	---	11	---	14	---	---	---	---	41	3	---	29
Kaufman	---	---	4	16	6	---	---	---	3	---	---	4
Kendall	---	---	---	1	2	---	---	---	1	---	---	---
Kenedy	---	---	---	---	---	---	---	---	---	---	---	---
Kent	---	---	7	6	---	---	---	---	2	---	---	15
Kerr	---	---	---	1	2	---	---	---	1	---	---	4
Kimble	---	---	---	---	---	---	---	---	3	---	---	3
King	---	---	6	1	---	---	---	---	2	---	---	9
Kinney	---	3	---	3	---	---	---	---	5	---	---	11
Kleberg	---	---	1	27	---	---	---	---	---	---	---	28
Knox	---	---	7	55	3	---	---	---	---	---	---	202
Lamar	---	---	1	22	1	---	13	---	7	11	---	45
Lamb	---	460	60	315	---	---	11	---	39	---	---	885
Lampasas	---	---	---	1	4	---	---	---	6	---	---	11
LaSalle	---	5	---	62	---	---	---	---	6	---	---	77
LaVaca	---	17	---	8	2	29	---	---	6	44	---	57
Lee	---	3	---	4	1	---	---	---	---	11	---	10
Leon	---	1	---	5	---	---	---	---	---	---	---	6
Liberty	---	---	---	1	---	125	21	---	---	---	---	147
Limestone	---	2	---	21	4	---	---	---	3	22	---	32
Lipscomb	---	9	---	9	---	---	---	---	165	---	---	183
Live Oak	---	21	---	44	---	---	---	---	12	---	---	77

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Wheat ; 1/ ;	Other ; Total ;
	Barley ;	Corn ;	Cotton ;	Grain ; sorghum ;	Oats ;	Rice ;	Soybeans ;	Sugar- beets ;				
-----000 Tons-----												
Texas--Continued												
Llano	--	--	--	--	--	--	--	--	--	--	1	1
Loving	--	--	--	--	--	--	--	--	--	--	--	--
Lubbock	1	13	98	207	1	--	4	--	18	3	--	345
Lynn	--	--	104	61	--	--	--	--	3	2	--	170
Madison	--	1	--	2	--	--	--	--	--	--	--	3
Marion	--	--	--	--	--	--	--	--	--	--	--	--
Martin	--	--	77	8	--	--	--	--	--	--	--	--
Mason	--	--	--	--	--	--	--	--	--	--	--	85
Matagorda	--	2	1	28	--	194	22	--	--	14	--	14
Maverick	--	7	--	16	--	--	--	--	--	--	--	317
McCullough	--	--	--	12	5	--	--	--	10	--	--	33
McLennan	--	5	5	110	22	--	--	--	20	2	--	39
McMullen	--	--	--	7	--	--	--	--	29	1	--	172
Medina	--	45	--	61	11	--	--	--	--	--	--	7
Menard	--	--	--	--	--	--	--	--	29	12	--	158
Midland	--	--	12	11	1	--	--	--	2	--	--	3
Milam	--	5	5	97	1	--	--	--	--	--	--	23
Mills	--	--	--	1	7	--	--	--	14	--	--	132
Mitchell	--	--	29	1	--	--	--	--	5	1	--	14
Montague	--	--	--	22	--	--	--	--	4	--	--	55
Montgomery	--	--	--	4	1	--	--	--	14	3	--	22
Moore	1	139	--	141	1	--	1	1	--	--	--	--
Morris	--	--	--	--	--	--	--	--	203	1	--	488
Motley	--	--	16	3	--	--	--	--	5	1	--	1
Nacogdoches	--	4	--	--	--	--	--	--	--	3	--	32
Navarro	--	1	5	46	4	--	--	--	--	--	--	4
Newton	--	--	--	--	--	--	1	--	12	--	--	68
Nolan	--	--	18	17	--	--	--	--	--	--	--	1
Nueces	--	2	19	359	--	--	--	--	7	--	--	42
	--	--	--	--	--	--	--	--	1	1	--	382

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Texas--Continued											
Ochiltree	---	36	---	147	---	---	---	---	318	---	501
Oldham	---	4	---	14	---	---	---	---	29	---	47
Orange	---	---	---	---	---	6	5	---	---	---	11
Palo Pinto	---	---	---	1	4	---	---	---	6	1	12
Panola	---	---	---	---	---	---	---	---	---	---	---
Parker	---	---	---	1	4	---	---	---	1	5	11
Parmer	18	1344	5	159	1	---	5	4	247	1	1784
Pecos	7	---	1	7	2	---	---	---	14	---	31
Polk	---	---	---	---	---	---	---	---	---	---	---
Potter	---	10	---	13	---	---	---	---	19	---	42
Presidio	---	---	---	---	---	---	---	---	---	---	---
Rains	1	---	---	---	1	---	---	---	---	---	2
Randall	---	31	---	92	---	---	---	3	118	---	224
Reagan	---	---	6	---	---	---	---	---	---	---	6
Real	---	---	---	---	---	---	---	---	---	---	---
Red River	---	---	---	5	---	---	15	---	4	---	24
Reeves	23	---	6	13	2	---	---	---	6	---	50
Refugio	---	---	1	97	---	---	---	---	---	1	99
Roberts	---	---	---	7	---	---	---	---	34	---	41
Robertson	---	4	3	28	1	---	---	---	2	---	38
Rockwall	---	---	---	4	1	---	---	---	4	---	9
Runnels	---	---	14	87	5	---	---	---	28	1	135
Rusk	---	1	---	---	---	---	---	---	---	---	1
Sabine	---	---	---	---	---	---	---	---	---	---	---
San Augustine ..	---	---	---	---	---	---	---	---	---	---	---
San Jacinto	---	---	---	---	---	---	2	---	---	---	2
San Patricio	---	5	23	330	1	---	---	---	4	---	363
San Saba	---	---	---	2	6	---	---	---	9	4	21
Schleicher	---	---	1	9	1	---	---	---	1	---	12

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar beets	Wheat	Other 1/	
-----000 Tons-----											
Texas--Continued											
Scurry	---	---	28	25	---	---	---	---	4	---	57
Shackelford	---	---	1	1	1	---	---	---	25	---	28
Shelby	---	---	---	---	---	---	---	---	---	---	---
Sherman	3	78	---	167	---	---	1	2	284	---	535
Smith	---	1	---	---	---	---	---	---	---	2	1
Somervell	---	---	---	1	---	---	---	---	---	---	3
Starr	---	6	---	35	---	---	---	---	---	---	41
Stephens	---	---	---	1	3	---	---	---	12	---	16
Sterling	---	---	---	---	---	---	---	---	---	---	---
Stonewall	---	---	3	11	---	---	---	---	20	2	36
Sutton	---	---	---	---	---	---	---	---	---	---	---
Swisher	---	125	12	299	1	---	9	---	197	7	650
Tarrant	---	1	---	17	11	---	---	---	31	---	60
Taylor	1	1	3	43	3	---	---	---	58	---	109
Terrell	---	---	---	---	---	---	---	---	---	---	---
Terry	---	---	47	232	---	---	1	---	15	---	295
Throckmorton	---	---	3	1	1	---	---	---	59	---	64
Titus	---	---	---	---	---	---	---	---	---	---	---
Tom Green	---	---	19	62	3	---	---	---	5	---	89
Travis	---	1	2	32	1	---	---	---	3	---	39
Trinity	---	---	---	---	---	---	1	---	---	---	1
Tyler	---	---	---	---	---	---	---	---	---	---	---
Upshur	---	---	---	---	---	---	---	---	1	---	1
Upton	---	---	2	---	---	---	---	---	---	2	2
Uvalde	---	49	---	23	3	---	2	---	34	---	111
Valverde	---	---	---	---	---	---	---	---	---	---	---
Van Zandt	---	7	---	3	2	---	---	---	---	---	12
Victoria	---	11	---	105	---	17	---	---	---	---	133
Walker	---	---	1	---	---	---	---	---	---	---	1

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
-----000 Tons-----												
Texas---Continued												
Maller	---	14	---	4	---	63	7	---	---	6	94	---
Ward	---	---	---	---	---	---	---	---	---	---	---	---
Washington	---	6	---	1	---	---	---	---	---	---	7	---
Webb	---	---	---	6	---	---	---	---	---	---	6	---
Wharton	---	44	8	299	---	310	27	---	---	---	688	---
Wheeler	---	---	2	27	---	---	---	---	---	8	101	---
Wichita	1	---	1	---	2	---	---	---	64	---	236	---
Wilbarger	2	---	11	4	4	---	---	---	232	---	306	---
Willacy	---	3	23	202	---	---	---	---	285	---	256	---
Williamson	---	10	20	180	5	---	---	---	32	28	247	---
Wilson	---	3	---	20	---	---	---	---	26	19	68	---
Winkler	---	---	---	---	---	---	---	---	---	---	---	---
Wise	1	---	---	2	8	---	---	---	23	3	37	---
Wood	---	2	---	---	---	---	---	---	1	---	3	---
Yoakum	---	---	13	150	---	---	1	---	6	---	170	---
Young	2	---	1	2	5	---	---	---	110	---	120	---
Zapata	---	---	---	13	---	---	---	---	---	---	13	---
Zavala	---	65	5	53	1	---	---	---	17	---	141	---
Unallocated 2/	5	37	29	39	8	2	11	---	21	26	175	---
State total	106	5171	1715	10483	468	1875	324	62	7276	625	28104	---
Utah												
Beaver	1	---	---	---	---	---	---	---	6	---	7	---
Box Elder	51	4	---	---	1	---	---	19	152	---	227	---
Cache	60	1	---	---	1	---	---	3	51	---	116	---
Carbon	1	---	---	---	---	---	---	1	1	---	3	---
Daggett	---	---	---	---	---	---	---	---	---	---	---	---
Davis	6	4	---	---	---	---	---	3	7	---	20	---
Duchesne	6	5	---	---	1	---	---	---	3	---	15	---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar-beets	Wheat	Other 1/	
-----000 Tons-----											
Utah--Continued											
Emery	2	5			2				2		11
Garfield	1				1				1		3
Grand		1									1
Iron	30				1				6		37
Juab	4								11		15
Kane											
Millard	45	2									
Morgan	5				1				34		82
Piute									1		6
Rich	1										
Salt Lake	7	7							4		5
San Juan	12				1			2	26		43
San Pete					1				33	6	52
Sevier	21	1			1				7		9
Summit	22	5			1				3		30
Tooele	3								1		23
Uintah	4	4							7		10
Utah		45			1				3		12
Wasatch	50				2			4	27		78
Washington	4								1		51
Wayne	7								2		6
Weber	8	4									7
Unallocated 2/	9	4						4	7		23
State total	360	92			17			35	398	6	908
Vermont											
Addison	1	6			1						8
Bennington		1									1
Caledonia											

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat			
-----000 Tons-----												
Vermont--Cont.												
Chittenden	---	3	---	---	1	---	---	---	---	---	---	4
Essex	---	---	---	---	---	---	---	---	---	---	---	---
Franklin	---	1	---	---	---	---	---	---	---	---	---	1
Grande Isle	---	3	---	---	---	---	---	---	---	---	---	3
Lamoille	---	1	---	---	---	---	---	---	---	---	---	1
Orange	---	2	---	---	---	---	---	---	---	---	---	2
Orleans	---	---	---	---	---	---	---	---	---	---	---	---
Rutland	---	3	---	---	---	---	---	---	---	---	---	3
Washington	---	---	---	---	---	---	---	---	---	---	---	---
Windham	---	---	---	---	---	---	---	---	---	---	---	---
Windsor	---	1	---	---	---	---	---	---	---	---	---	1
Unallocated 2/...	---	---	---	---	---	---	---	---	1	---	---	1
State total ..	1	21	---	---	2	---	---	---	1	---	---	25
Virginia:												
Aconack	---	42	---	---	---	---	31	---	---	---	---	73
Albemarle	---	11	---	---	---	---	1	---	---	---	---	12
Alleghany	---	2	---	---	---	---	---	---	---	---	---	2
Amelia	---	19	---	---	---	---	8	---	---	---	---	27
Amherst	---	4	---	---	---	---	---	---	---	---	---	4
Appomattox	---	12	---	---	---	---	---	---	---	---	---	12
Arlington	---	---	---	---	---	---	---	---	---	---	---	---
Augusta	---	40	---	---	---	---	---	---	---	---	---	40
Bath	---	1	---	---	---	---	---	---	---	---	---	1
Bedford	---	17	---	---	---	---	---	---	---	---	---	17
Bland	---	4	---	---	---	---	---	---	---	---	---	4
Botetourt	---	6	---	---	---	---	---	---	---	---	---	6
Brunswick	---	21	---	---	---	---	8	---	---	---	---	29
Buchanan	---	1	---	---	---	---	---	---	---	---	---	1

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat			
Virginia--Cont.:												
Buckingham	---	14	---	---	---	---	---	---	---	---	---	14
Campbell	---	15	---	---	---	---	2	---	---	---	---	17
Caroline	---	35	---	---	---	---	10	---	---	---	---	45
Carroll	---	3	---	---	---	---	---	---	---	---	---	3
Charles City	---	31	---	---	---	---	8	---	---	---	---	39
Charlotte	---	19	---	---	---	---	2	---	---	---	---	21
Chesterfield	---	6	---	---	---	---	3	---	---	---	---	9
Clarke	---	20	---	---	---	---	---	---	---	---	---	20
Craig	---	3	---	---	---	---	---	---	---	---	---	3
Culpepper	---	57	---	---	---	---	---	---	---	---	---	57
Cumberland	---	13	---	---	---	---	---	---	---	---	---	13
Dickerson	---	1	---	---	---	---	---	---	---	---	---	1
Dinwiddie	---	30	---	---	---	---	10	---	---	7	---	47
Essex	---	48	---	---	---	---	16	---	---	---	---	64
Fairfax	---	6	---	---	---	---	---	---	---	---	---	6
Fauquier	---	43	---	---	---	---	1	---	---	---	---	44
Floyd	---	4	---	---	---	---	---	---	---	---	---	4
Fluvanna	---	5	---	---	---	---	---	---	---	---	---	5
Franklin	---	15	---	---	---	---	---	---	---	---	---	15
Frederick	---	21	---	---	---	---	---	---	---	---	---	21
Giles	---	1	---	---	---	---	---	---	---	---	---	1
Gloucester	---	32	---	---	---	---	7	---	---	---	---	39
Goochland	---	8	---	---	---	---	1	---	---	---	---	9
Grayson	---	4	---	---	---	---	---	---	---	---	---	4
Greene	---	5	---	---	---	---	---	---	---	---	---	5
Greensville	---	31	---	---	---	---	8	---	---	17	---	56
Halifax	---	39	---	---	---	---	4	---	---	---	---	43
Hanover	---	36	---	---	---	---	12	---	---	---	---	48
Henrico	---	13	---	---	---	---	4	---	---	---	---	17
Henry	---	4	---	---	---	---	---	---	---	---	---	4
Highland	---	1	---	---	---	---	---	---	---	---	---	1

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975-Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
Virginia--Cont.											
Isle of Wight	---	102	---	---	---	---	11	---	---	36	149
James City	---	17	---	---	---	---	4	---	---	---	21
King and Queen	---	42	---	---	---	---	11	---	---	---	53
King George	---	23	---	---	---	---	5	---	---	---	28
King William	---	50	---	---	---	---	12	---	---	---	62
Lancaster	---	33	---	---	---	---	7	---	---	---	40
Lee	---	13	---	---	---	---	---	---	---	---	13
Loudoun	---	68	---	---	---	---	---	---	---	---	68
Louisa	---	14	---	---	---	---	1	---	---	---	15
Lunenburg	---	13	---	---	---	---	4	---	---	---	17
Madison	---	36	---	---	---	---	---	---	---	---	36
Mathews	---	6	---	---	---	---	2	---	---	---	8
Mecklenburg	---	33	---	---	---	---	6	---	---	---	39
Middlesex	---	24	---	---	---	---	6	---	---	---	30
Montgomery	---	5	---	---	---	---	---	---	---	---	5
Nansemond	---	---	---	---	---	---	---	---	---	---	---
Nelson	---	5	---	---	---	---	---	---	---	---	5
New Kent	---	17	---	---	---	---	5	---	---	---	22
Norfolk	---	---	---	---	---	---	---	---	---	---	---
Northampton	---	6	---	---	---	---	11	---	---	---	17
Northumberland	---	60	---	---	---	---	15	---	---	---	75
Nottoway	---	7	---	---	---	---	4	---	---	---	11
Orange	---	33	---	---	---	---	---	---	---	---	33
Page	---	14	---	---	---	---	---	---	---	---	14
Patrick	---	8	---	---	---	---	---	---	---	---	8
Pittsylvania	---	41	---	---	---	---	10	---	---	---	51
Powhatan	---	6	---	---	---	---	1	---	---	---	7
Prince Edward	---	14	---	---	---	---	1	---	---	---	15
Prince George	---	31	---	---	---	---	7	---	---	7	45
Prince William	---	10	---	---	---	---	---	---	---	---	10
Princess Anne	---	---	---	---	---	---	---	---	---	---	---

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
Virginia--Cont.											
Pulaski	---	5	---	---	---	---	---	---	---	---	5
Rappahannock	---	9	---	---	---	---	---	---	---	---	9
Richmond	---	47	---	---	---	---	12	---	---	---	59
Roanoke	---	2	---	---	---	---	---	---	---	---	2
Rockbridge	---	9	---	---	---	---	---	---	---	---	9
Rockingham	---	41	---	---	---	---	---	---	---	---	41
Russell	---	10	---	---	---	---	---	---	---	---	10
Scott	---	7	---	---	---	---	---	---	---	---	7
Shenandoah	---	26	---	---	---	---	---	---	---	---	26
Smyth	---	10	---	---	---	---	---	---	---	---	10
Southampton	---	129	---	---	---	---	16	---	---	66	211
Spotsylvania	---	10	---	---	---	---	1	---	---	---	11
Stafford	---	9	---	---	---	---	1	---	---	---	10
Surrey	---	64	---	---	---	---	9	---	---	18	91
Sussex	---	64	---	---	---	---	11	---	---	29	104
Tazewell	---	7	---	---	---	---	---	---	---	---	7
Warren	---	6	---	---	---	---	---	---	---	---	6
Washington	---	25	---	---	---	---	---	---	---	---	25
Westmoreland	---	66	---	---	---	---	14	---	---	---	80
Wise	---	1	---	---	---	---	---	---	---	---	1
Wythe	---	12	---	---	---	---	---	---	---	---	12
York	---	3	---	---	---	---	---	---	---	---	3
Chesapeake City 3/4	---	50	---	---	---	---	21	---	---	---	71
Norton City 3/4	---	---	---	---	---	---	5	---	---	---	5
Suffolk City 3/4	---	84	---	---	---	---	17	---	---	31	132
Virginia Beach 3/4	---	48	---	---	---	---	20	---	---	---	68
Unallocated 2/4	---	---	---	---	---	---	---	---	---	---	---
State total	---	2218	---	---	---	---	386	---	---	211	2815

Washington:

Adams 9

Asotin 15

See footnotes at end of table.

907

77

987

92

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Other 1/	Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat			
-----000 Tons-----												
Washington--Cont.												
Benton	---	10	---	---	---	---	---	23	337	2	---	372
Chelan	---	---	---	---	---	---	---	---	4	---	---	4
Clallam	2	---	---	---	---	---	---	---	1	---	---	3
Clark	6	---	---	---	6	---	---	---	9	---	---	21
Columbia	12	---	---	---	---	---	---	---	323	---	---	335
Cowlitz	---	---	---	---	---	---	---	---	---	---	---	---
Douglas	10	---	---	---	1	---	---	---	409	1	---	421
Ferry	2	---	---	---	1	---	---	---	4	1	---	8
Franklin	2	40	---	---	---	---	---	52	395	15	---	504
Garfield	46	---	---	---	---	---	---	---	277	5	---	328
Grant	17	55	---	---	1	---	---	104	742	40	---	959
Grays Harbor	---	---	---	---	---	---	---	---	1	1	---	2
Island	1	---	---	---	---	---	---	---	3	---	---	4
Jefferson	---	---	---	---	---	---	---	---	---	---	---	---
King	---	---	---	---	---	---	---	---	---	---	---	---
Kitsap	---	---	---	---	---	---	---	---	---	---	---	---
Kittitas	11	---	---	---	3	---	---	---	---	---	---	---
Klickitat	17	---	---	---	1	---	---	2	26	---	---	42
Lewis	3	---	---	---	4	---	---	---	111	---	---	129
Lincoln	201	---	---	---	5	---	---	---	6	---	---	13
Mason	---	---	---	---	---	---	---	---	1070	5	---	1281
Okanogan	2	---	---	---	---	---	---	---	---	---	---	---
Pacific	---	---	---	---	---	---	---	---	21	3	---	26
Pend Oreille	3	---	---	---	---	---	---	---	1	---	---	1
Pierce	---	---	---	---	---	---	---	---	---	---	---	3
San Juan	2	---	---	---	---	---	---	---	2	---	---	2
Skagit	7	---	---	---	1	---	---	---	1	---	---	3
Skamania	---	---	---	---	---	---	---	---	27	1	---	36
Snottomish	---	---	---	---	---	---	---	---	---	---	---	---
Spokane	147	---	---	---	10	---	---	---	3	---	---	3
Stevens	32	---	---	---	8	---	---	---	440	9	---	606
Thurston	---	---	---	---	---	---	---	---	36	1	---	77

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										---000 Tons---	
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	Total	
Washington--Cont.												
Waltkikum	---	---	---	---	---	---	---	---	---	---	---	
Walla Walla	43	---	---	---	---	---	---	15	845	1	904	
Whatoom	---	---	---	---	2	---	---	---	2	2	6	
Whitman	336	---	---	---	6	---	---	---	1730	7	2079	
Yakima	15	26	---	---	---	---	---	58	245	2	346	
Unallocated 2/....	---	2	---	---	5	---	---	---	---	18	26	
State total	941	149	---	---	56	---	---	300	8055	121	9623	
West Virginia:												
Barbour	---	1	---	---	---	---	---	---	---	---	1	
Berkeley	6	30	---	---	2	---	---	---	3	---	41	
Boone	---	1	---	---	---	---	---	---	---	---	1	
Braxton	---	1	---	---	---	---	---	---	---	---	1	
Brooke	---	1	---	---	---	---	---	---	---	---	1	
Cabell	---	5	---	---	---	---	---	---	---	---	5	
Calhoun	---	1	---	---	---	---	---	---	---	---	1	
Clay	---	---	---	---	---	---	---	---	---	---	---	
Doddridge	---	---	---	---	---	---	---	---	---	---	---	
Fayette	---	---	---	---	---	---	---	---	---	---	---	
Gilmer	---	1	---	---	---	---	---	---	---	---	1	
Grant	1	4	---	---	---	---	---	---	1	---	6	
Greenbrier	1	10	---	---	1	---	---	---	1	---	13	
Hampshire	1	13	---	---	1	---	---	---	3	---	18	
Hancock	---	1	---	---	---	---	---	---	---	---	1	
Hardy	1	---	---	---	---	---	---	---	2	---	3	
Harrison	---	1	---	---	---	---	---	---	---	---	1	
Jackson	---	4	---	---	---	---	---	---	---	---	4	
Jefferson	6	---	---	---	3	---	---	---	7	1	17	
Kanawha	---	---	---	---	---	---	---	---	---	---	---	
Lewis	---	1	---	---	---	---	---	---	---	---	1	
Lincoln	---	1	---	---	---	---	---	---	---	---	1	
Logan	---	---	---	---	---	---	---	---	---	---	---	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
West Va.--Cont.:											
McDowell											1
Marion		1									6
Marshall		6									28
Mason		26					1		1		2
Mercer		2									3
Mineral	1				1				1		
Mingo											
Monogalia		1									1
Monroe					1				2		3
Morgan									3		
Nichols		1									1
Ohio		1			1						2
Pendleton					1				2		3
Pleasants		2									2
Pocahontas					1						1
Preston		8			3				1		12
Putnam		3									3
Raleigh											
Randolph											
Ritchie		1									1
Roane		1									1
Summers											
Taylor		1									1
Tucker											
Tyler		3									3
Upshur											
Wayne		4									4
Webster											
Wetzel		1									1

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested										Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/	
-----000 Tons-----											
West Va.--Cont.:											
Wirt	---	1	---	---	---	---	---	---	---	---	1
Wood	---	5	---	---	---	---	---	---	1	---	6
Wyoming	---	---	---	---	---	---	---	---	---	---	---
Unallocated 2/ ..	3	108	---	---	4	---	1	---	2	---	120
State total	20	252	---	---	19	---	2	---	30	1	325
Wisconsin:											
Adams	---	37	---	---	3	---	1	---	1	---	43
Ashland	---	---	---	---	3	---	---	---	---	---	3
Barrow	4	97	---	---	39	---	1	---	1	---	142
Bayfield	1	---	---	---	4	---	---	---	---	---	5
Brown	2	59	---	---	52	---	---	---	2	---	115
Buffalo	1	119	---	---	20	---	2	---	1	---	143
Burnett	---	15	---	---	---	---	1	---	---	---	16
Calumet	1	58	---	---	29	---	1	---	4	---	93
Chippewa	2	114	---	---	44	---	2	---	1	---	163
Clark	2	66	---	---	73	---	---	---	---	---	141
Columbia	1	391	---	---	27	---	3	---	6	---	428
Crawford	---	94	---	---	22	---	1	---	---	---	117
Dane	1	849	---	---	45	---	6	---	8	---	909
Dodge	2	456	---	---	61	---	1	---	8	---	528
Door	1	15	---	---	34	---	---	---	2	---	52
Douglas	---	---	---	---	1	---	---	---	---	---	1
Dunn	3	192	---	---	38	---	6	---	1	---	240
Eau Claire	1	80	---	---	25	---	1	---	---	---	107
Florence	---	---	---	---	1	---	---	---	---	---	1
Ford Du Lac	1	225	---	---	63	---	1	---	5	---	295
Forest	---	---	---	---	2	---	---	---	---	---	2
Grant	---	534	---	---	59	---	2	---	---	---	595

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
-----000 Tons-----												
Wisconsin--Cont.:												
Green	1	298	---	---	32	---	3	---	2	---	336	
Green Lake	---	115	---	---	16	---	---	---	1	---	132	
Iowa	---	255	---	---	29	---	2	---	---	---	286	
Iron	---	---	---	---	1	---	---	---	---	---	1	
Jackson	---	75	---	---	23	---	1	---	---	---	99	
Jefferson	---	334	---	---	21	---	8	---	6	---	369	
Juneau	---	81	---	---	14	---	2	---	---	1	98	
Kenosha	1	122	---	---	8	---	14	---	10	---	155	
Kewaunee	3	30	---	---	50	---	---	---	2	---	85	
Lacross	---	91	---	---	12	---	1	---	---	---	104	
Lafayette	---	429	---	---	33	---	4	---	1	---	467	
Langlade	---	2	---	---	18	---	---	---	1	1	22	
Lincoln	1	2	---	---	13	---	---	---	---	---	16	
Manitowoc	3	90	---	---	70	---	1	---	2	---	166	
Marathon	1	39	---	---	89	---	---	---	1	1	131	
Marquette	1	31	---	---	13	---	---	---	---	---	45	
Marquette	---	48	---	---	6	---	---	---	---	1	55	
Menominee	---	---	---	---	---	---	---	---	---	---	---	
Milwaukee	---	5	---	---	1	---	3	---	3	---	12	
Monroe	---	128	---	---	29	---	1	---	---	---	158	
Oconto	1	69	---	---	24	---	---	---	1	---	95	
Oneida	---	---	---	---	4	---	---	---	---	1	5	
Outagamie	2	176	---	---	48	---	1	---	4	---	231	
Ozaukee	1	51	---	---	17	---	1	---	6	---	76	
Pepin	1	50	---	---	13	---	4	---	1	---	69	
Pierce	3	164	---	---	41	---	3	---	3	---	214	
Polk	6	110	---	1	28	---	2	---	1	---	148	
Portage	---	62	---	---	15	---	---	---	2	4	83	
Price	---	1	---	---	7	---	---	---	---	---	8	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
	-----000 Tons-----											
Wisconsin--Cont.:												
Racine	3	128	---	---	10	---	23	---	16	---	180	
Richland	---	104	---	---	13	---	1	---	---	---	118	
Rock	1	718	---	1	19	---	30	---	9	1	779	
Rusk	---	8	---	---	12	---	---	---	---	---	20	
St. Croix	4	151	---	---	47	---	4	---	---	---	206	
Sauk	---	275	---	---	31	---	2	---	1	---	309	
Sawyer	---	2	---	---	3	---	---	---	---	---	5	
Shawano	1	92	---	---	44	---	---	---	1	---	138	
Sheboygan	2	103	---	---	48	---	---	---	8	---	161	
Taylor	1	5	---	---	30	---	---	---	---	---	36	
Trempealeau	2	132	---	---	27	---	3	---	1	---	165	
Vernon	---	127	---	---	30	---	1	---	---	---	158	
Vilas	---	---	---	---	---	---	---	---	---	---	---	
Walworth	1	382	---	---	15	---	19	---	7	---	424	
Washburn	---	7	---	---	4	---	---	---	---	---	11	
Washington	---	133	---	---	32	---	---	---	7	---	172	
Waukesha	---	132	---	---	13	---	4	---	5	---	154	
Waupaca	---	91	---	---	25	---	---	---	---	1	117	
Waushara	---	74	---	---	6	---	1	---	1	2	84	
Winnebago	1	96	---	---	27	---	5	---	7	1	137	
Wood	---	35	---	---	26	---	---	---	1	---	62	
Unallocated 2/...	3	---	---	1	---	---	2	---	6	6	16	
State total	67	9054	---	3	1782	---	174	---	157	21	11257	
Wyoming:												
Albany	---	---	---	---	---	---	---	---	---	---	---	
Big Horn	52	2	---	---	7	---	---	30	3	10	104	
Campbell	2	---	---	---	2	---	---	---	35	---	39	
Carbon	---	---	---	---	1	---	---	---	---	---	4	

See footnotes at end of table.

Continued--

Appendix Table 1.--Estimated Crop Residues By States and Counties, 1975--Cont.

State and County	Estimated Plant Residue From Harvested											Total
	Barley	Corn	Cotton	Grain sorghum	Oats	Rice	Soybeans	Sugar- beets	Wheat	Other 1/		
	-----000 Tons-----											
Wyoming--Cont.:												
Converse	3	---	---	---	1	---	---	---	4	1	9	
Crook	4	---	---	---	3	---	---	---	22	---	29	
Fremont	56	2	---	---	6	---	---	---	2	3	69	
Goshen	7	49	---	---	2	---	---	39	72	21	190	
Hot Springs	8	---	---	---	1	---	---	---	---	---	9	
Johnson	2	---	---	---	2	---	---	---	3	---	7	
Laramie	17	1	---	---	1	---	---	2	142	6	169	
Lincoln	26	---	---	---	1	---	---	---	3	1	31	
Natrona	1	1	---	---	3	---	---	---	1	---	6	
Niobrara	2	---	---	---	1	---	---	---	8	1	12	
Park	101	3	---	---	2	---	---	38	2	7	153	
Platte	5	7	---	---	1	---	---	6	53	4	76	
Sheridan	9	---	---	---	3	---	---	---	8	3	23	
Sublette	---	---	---	---	---	---	---	---	---	---	---	
Sweetwater	1	---	---	---	1	---	---	---	---	---	2	
Teton	2	---	---	---	---	---	---	---	1	---	3	
Uinta	---	---	---	---	---	---	---	---	---	---	---	
Washakie	40	1	---	---	1	---	---	33	1	---	76	
Weston	1	---	---	---	1	---	---	---	6	---	8	
Unallocated 2/	---	---	---	---	8	---	---	---	9	1	18	
State total	339	66	---	---	48	---	---	148	378	58	1037	
Total U.S.	16,791	265,726	5,954	21,252	15,669	9,598	54,085	4,149	117,941	10,260	521,454	

1/ Other crops include flax, peanuts, rye, sugarcane, dry beans, and grass seeds

2/ Included in State but unallocated to Counties.

3/ Independent Virginia cities with incorporated farmland producing residue; those independent cities without residue were excluded.

Appendix, Table 2.--Consumption of concentrate feeds by livestock and poultry for 1965-70, year beginning October 1 (1,000 metric tons)

Concentrates fed and feeding year	Beef Cattle		Dairy (milk & other dairy)	Sheep	Hens, pullets, and replacements	Broilers	Turkeys	Hogs	Horses, mules and other	Total
	On feed	Other								
1965-66										
Feed grain 1/	21,507	6,622	21,634	429	12,740	5,287	1,793	30,347	5,169	105,528
Other concentrates 2/	3,346	4,068	6,972	569	6,662	3,309	1,710	7,201	2,437	36,184
Total	24,853	10,690	28,606	998	19,402	8,596	3,503	37,548	7,606	141,712
1966-67										
Feed grain 1/	19,837	5,504	18,610	344	11,746	4,502	1,694	29,437	4,956	96,630
Other concentrates 2/	3,596	3,872	6,655	426	6,533	3,284	1,809	7,860	2,527	36,562
Total	23,433	9,376	25,265	770	18,279	7,786	3,503	37,297	7,483	133,192
1967-68										
Feed grain 1/	23,428	5,900	19,801	329	12,446	4,970	1,532	31,481	4,730	104,617
Other concentrates 2/	4,355	3,983	6,580	408	6,743	3,280	1,553	7,788	2,483	37,173
Total	27,783	9,883	26,381	737	19,189	8,250	3,085	39,269	7,213	141,790
1968-69										
Feed grain 1/	28,701	6,149	19,364	344	12,408	5,216	1,541	30,705	5,175	109,603
Other concentrates 2/	5,417	4,175	6,502	427	6,800	3,555	1,565	7,949	3,000	39,390
Total	34,118	10,324	25,866	771	19,208	8,771	3,106	38,654	8,175	148,993
1969-70										
Feed grain 1/	33,668	6,816	19,759	358	12,503	5,662	1,654	32,510	4,589	117,519
Other concentrates 2/	6,729	4,608	6,906	451	7,320	4,007	1,756	8,779	2,128	42,684
Total	40,397	11,424	26,665	809	19,823	9,669	3,410	41,289	6,717	160,203
1970-71										
Feed grain 1/	30,791	6,862	17,803	374	12,311	5,552	1,610	32,970	4,718	112,991
Other concentrates 2/	6,644	4,650	6,401	454	7,294	4,254	1,828	9,453	2,174	43,152
Total	37,435	11,512	24,204	828	19,605	9,806	3,438	42,423	6,892	156,143
1971-72										
Feed grain 1/	36,730	6,681	18,781	345	11,999	5,513	1,716	30,430	4,865	117,060
Other concentrates 2/	8,101	4,568	6,698	429	7,331	4,251	1,961	8,862	2,324	44,525
Total	44,831	11,249	25,479	774	19,330	9,764	3,677	39,292	7,189	161,585

See footnotes at end of table.

Continued--

Appendix, Table 2.--Consumption of concentrate feeds by livestock and poultry for 1965-78, year beginning October 1 (1,000 metric tons)--Continued

Concentrates fed and feeding year	Beef Cattle		Dairy (milk & other dairy)	Sheep	Hens, pullets, and replacements	Broilers	Turkeys	Hogs	Horses, mules, and other	Total
	On feed	Other								
1972-73										
Feed grain 1/	42,829	7,562	19,420	303	12,340	6,085	2,012	31,239	4,940	126,730
Other concentrates 2/	7,777	5,188	6,516	416	6,416	3,656	1,874	7,190	2,759	41,792
Total	50,606	12,750	25,936	719	18,756	9,741	3,886	38,429	7,699	168,522
1973-74										
Feed grain 1/	43,143	10,018	21,246	296	12,940	6,230	1,956	31,111	5,193	132,133
Other concentrates 2/	6,366	5,987	6,204	385	5,878	3,552	1,683	6,562	2,598	39,215
Total	49,509	16,005	27,450	681	18,818	9,782	3,639	37,673	7,791	171,348
1974-75										
Feed grain 1/	21,030	7,387	19,266	316	10,734	4,832	1,593	24,396	4,815	94,369
Other concentrates 2/	4,196	5,319	7,284	466	6,449	3,654	1,770	7,001	2,230	38,357
Total	25,226	12,706	26,550	770	17,183	8,486	3,363	31,397	7,045	132,726
1975-76										
Feed grain 1/	28,257	7,568	19,331	315	11,465	5,526	1,719	29,899	4,487	108,567
Other concentrates 2/	5,330	5,257	7,408	440	6,953	4,146	1,915	8,477	2,216	42,142
Total	33,587	12,825	26,739	755	18,418	9,672	3,634	38,376	6,703	150,709
1976-77										
Feed grain 1/	25,470	7,265	19,668	337	11,612	7,034	1,761	34,848	4,569	112,564
Other concentrates 2/	5,931	4,930	7,496	458	7,159	4,555	1,854	8,829	2,681	43,993
Total	31,401	12,195	27,164	795	18,771	11,589	3,615	43,677	7,250	156,557
1977-78										
Feed grain 1/	29,009	7,245	20,764	375	11,822	7,374	2,085	34,416	4,430	117,520
Other concentrates 2/	5,027	4,078	7,069	443	6,836	4,625	2,084	8,465	2,300	40,927
Total	34,036	11,323	27,833	818	18,658	11,999	4,169	42,881	6,730	158,447
1978-79										
Feed grain 1/	30,093	7,115	20,806	383	12,357	8,412	2,294	38,547	4,620	124,627
Other concentrates 2/	4,236	3,709	6,452	428	6,206	4,778	2,069	8,451	2,258	38,577
Total	34,329	10,824	27,258	811	18,563	13,190	4,363	46,998	6,878	163,204

Source: Unpublished data developed by George Allen, Commodity Economics Division, ESOS.

1/ Corn, grain sorghum, oats and barley.

2/ Wheat and rye, stabilized animal fats; soybean, cottonseed, peanut and linseed meals; fish meal; meat meal, tankage, poultry offal, feathermeal, etc.;
gluten feed and meal, brewers and distillers dried grains; wheat, rice, oats and barley milling byproducts; bakery byproducts, hosing, etc.; salt, minerals
and urea.

